

20000919.qrp v01\_n949.qrl.20000919

Date: Tue, 19 Sep 2000 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1949

## QRP-L Digest 1949

Topics covered in this issue include:

- 1) [79826] Re: Club: Fundraisers; WELL SAID DOUG.  
by S LYON <sslyon@worldnet.att.net>
- 2) [79827] RE:Info on C  
by John Meade <john.meade@smsc.com>
- 3) [79828] Re: Twin lead vs ladder line?  
by "George, W5YR" <w5yr@att.net>
- 4) [79829] PARALLEL & COAX FEED, MATCHING SECTIONS...  
by S LYON <sslyon@worldnet.att.net>
- 5) [79830] Storms during QRP Afield  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 6) [79831] Re: MFJ 1278 PC Connection  
by "Anthony A. Luscre" <aluscre@neo.rr.com>
- 7) [79832] Re: QRPp Arrives  
by "KC1FB" <kc1fb@optonline.net>
- 8) [79833] Re: Rigblaster vs homebrew psk-31?  
by Tom Randall - KB2SMS <trandall@idsi.net>
- 9) [79834] QRP AFIELD vs HAMFEST  
by S LYON <sslyon@worldnet.att.net>
- 10) [79835] [Ant]Helpful Hints for Twin Lead  
by "James R. Duffey" <jamesd1@flash.net>
- 11) [79836] Contest: Milliwatt Triple Crown Third Leg Results  
by "John Burnley" <burnleyia@home.com>
- 12) [79837] Re: Reading QPR-L without the email.  
by "John A. Evans - N0HJ" <jaevas@codenet.net>
- 13) [79838] Contest: Third Leg Milliwatt Triple Crown Results Correction  
by "John Burnley" <burnleyia@home.com>
- 14) [79839] Re: QRP Light Pens from the NJQRP Club  
by "Joe Everhart" <n2cx@voicenet.com>
- 15) [79840] OT: Lab help needed  
by Chuck Adams <k7qo@primenet.com>
- 16) [79841] Re: wire/rope ant  
by tedkell@juno.com
- 17) [79842] Re: QRPp arrives  
by "Terres Family" <terresfm@ncia.net>
- 18) [79843] Re:(QRP) vacuum deposition technology  
by S LYON <sslyon@worldnet.att.net>
- 19) [79844] power on twin lead

- by hamjoel@juno.com
- 20) [79845] Club: QRPp duplicate issues  
by Paul Maciel <pmaciel@inow.com>
  - 21) [79846] Elecraft Site Updated / New Secure Order Form  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
  - 22) [79847] What's the best book on filter design?  
by lenny wintfeld <w2bvh@home.com>
  - 23) [79848] QRP Pacificon Business cards  
by Scott Gregson <emtech@steadynet.com>
  - 24) [79849] VE6BPR's Homepage  
by "Alyn Backe" <va6cw@look.ca>
  - 25) [79850] Re: What's the best book on filter design?  
by Chris Trask <ctrask@primenet.com>
  - 26) [79851] Re: OT:? Tie Wrap Colors  
by w6ors@juno.com
  - 27) [79852] Re: Twin lead vs ladder line?  
by w6ors@juno.com
  - 28) [79853] Re: Reading QPR-L without the email.  
by "Brian J Keegan" <brimail@home.com>
  - 29) [79854] Re: What's the best book on filter design?  
by John R Kirby <n3aaz-qrp@juno.com>
  - 30) [79855] Re: K2 Questions  
by bejones@hursley.ibm.com
  - 31) [79856] Line in/Line on Rigs for PSK31 etc.  
by "Cla KA0GKC" <ka0gkc@arrl.net>
  - 32) [79857] Poly Cap Shaft Hardware  
by Craig LaBarge <wb3gck@yahoo.com>
  - 33) [79858] Re: Line in/Line on Rigs for PSK31 etc.  
by "Mike Yetsko" <myetsko@insydesw.com>
  - 34) [79859] RE: Poly Cap Shaft Hardware  
by "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>
  - 35) [79860] Re: OT:? Tie Wrap Colors  
by Shawn Upton <kb1ckt@yahoo.com>
  - 36) [79861] Re: Line in/Line on Rigs for PSK31 etc.  
by "Chuck Carpenter" <w5usj@globeco.net>
  - 37) [79862] Re: Line in/Line on Rigs for PSK31 etc.  
by "Dan W. Dooley" <dandooley@pipeline.com>
  - 38) [79863] Re: Line in/Line on Rigs for PSK31 etc.  
by "Karl F. Larsen" <k5di@zianet.com>
  - 39) [79864] QRP Afield logs?  
by ekwik@rtimail.com
  - 40) [79865] MOD: GA Sierra operating on 6 Meters  
by Sam Billingsley <SBillingsley@usaninc.com>
  - 41) [79866] Re: MOD: GA Sierra operating on 6 Meters  
by "Chuck Carpenter" <w5usj@globeco.net>
  - 42) [79867] Re: PARALLEL & COAX FEED, MATCHING SECTIONS...  
by Bill Coleman AA4LR <aa4lr@radio.org>
  - 43) [79868] WA3WSJ & N2CQ

- by "Ron Polityka" <wb3aal@fast.net>
- 44) [79869] Re: QRP Afield logs?  
by "Dave Benson" <nn1g@earthlink.net>
- 45) [79870] Re: Poly Cap Shaft Hardware  
by "Leon Heller" <leon\_heller@hotmail.com>
- 46) [79871] Re: QRP Afield logs?  
by "Dave Benson" <nn1g@earthlink.net>
- 47) [79872] Re: Poly Cap Shaft Hardware  
by "Bruce Kizerian" <kizerian@ced.utah.edu>
- 48) [79873] Current Drawn By A Few Things In My Shack  
by John Meade <john.meade@smsc.com>
- 49) [79874] Re: QRP Pacificon Business cards  
by NB6M@aol.com
- 50) [79875] QRP Afield pics up  
by Mike Gipe <mgipe@reliablemeters.com>
- 51) [79876] FOX - Winter Hunt Teams -  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 52) [79877] OT: Bacon Bits News Letter  
by Shepherd@aol.com
- 53) [79878] Duplicate QRPP to donate?  
by "Donny Sirait" <dsirait@centrin.net.id>
- 54) [79879] Resonance (?)  
by Bob Kellogg <ae4ic@nr.infi.net>
- 55) [79880] Re: FOX - Winter Hunt Teams -  
by w2xn@juno.com
- 56) [79881] Re: Resonance (?)  
by "Mike Yetsko" <myetsko@insydesw.com>
- 57) [79882] Audio Modem Filter Coeffs, NOT RF QRP!  
by Philip Karras <ke3fl@yahoo.com>
- 58) [79883] Re: [NJQRP] WA3WSJ & N2CQ  
by "John Paul Keon" <jpkeon@worldnet.att.net>
- 59) [79884] Re: Storms during QRP Afield  
by "Steven Weber" <kd1jv@moose.ncia.net>
- 60) [79885] Re: Resonance (?)  
by "Cla KA0GKC" <ka0gkc@arrl.net>
- 61) [79886] Homemade Antenna  
by w2xn@juno.com
- 62) [79887] Joy in Yankee country  
by Robert McAtee <w5tnj@camalott.com>
- 63) [79888] Re: Resonance (?)  
by "Mike Yetsko" <myetsko@insydesw.com>
- 64) [79889] Re: [NJQRP] WA3WSJ & N2CQ  
by "Ed Nelson" <edxnelson@home.com>
- 65) [79890] RE: Resonance (?)  
by Sam Billingsley <SBillingsley@usaninc.com>
- 66) [79891] Re: [KLQRP] Resonance (?)  
by "Randy Hargenrader" <randyh@harksystems.com>
- 67) [79892] Second Call for SLPV Coil Parts

by Jeff Grudin <grudin@vddb.com>  
68) [79893] Re: Resonance (?)  
by n2cx@voicenet.com  
69) [79894] Re: Resonance (?)  
by n2cx@voicenet.com  
70) [79895] Re: Joy in Yankee country  
by "George, W5YR" <w5yr@att.net>  
71) [79896] Simple Six Meter Balanced Line Tuner from the Junk Box  
by Sam Billingsley <SBillingsley@usaninc.com>  
72) [79897] TTF Log, N0UR  
by N0UR1@aol.com  
73) [79898] FS OMNI VI+  
by AC5JH@aol.com  
74) [79899] RE: Joy in Yankee country  
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
75) [79900] Re: Joy in Yankee country  
by "Dan W. Dooley" <dandooley@pipeline.com>  
76) [79901] Re: Paul Washa Books -- e-mail address?  
by tf3vst@vortex.is (Villi Idunni)  
77) [79902] Thanks for the ladder line info!  
by John AE5X <ae5x@juno.com>  
78) [79903] Reel-To-Reel wire antenna  
by "Bill Wetherill" <n2wg@wilmington.net>  
79) [79904] Re: Resonance (?)  
by "Steven Weber" <kd1jv@moose.ncia.net>  
80) [79905] Re: Reading QPR-L without the email.  
by David Beach <dbeach@blvl.igs.net>  
81) [79906] N2CQ / AT / QRP de N4QA / M / QRP... RR...  
by n4qa@juno.com  
82) [79907] Re: Resonance (?)  
by "Mike Branca" <w3irz@att.net>

-----  
Date: Mon, 18 Sep 2000 18:51:07 -0400  
From: S LYON <sslyon@worldnet.att.net>  
To: ki6ds@dpol.k12.ca.us  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79826] Re: Club: Fundraisers; WELL SAID DOUG.  
Message-ID: <39C69C5B.9D1ED06B@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

and thank you for taking the time to make the issue crystal clear.

72

=S=

"Hendricks, Doug" wrote:

>

> Guys, there has been some flap on here about group buys and club  
> fundraisers. Now let me warn you in case you don't know, I am one of the

--

'Seab' Lyon - AA1MY  
Beacon NY USA FN-31  
QRP-L 574 ARCI 9253

-----  
Date: Mon, 18 Sep 2000 19:14:30 -0400  
From: John Meade <john.meade@smc.com>  
To: qrp-l@Lehigh.EDU  
Subject: [79827] RE:Info on C  
Message-ID: <39C6A1D5.A72A657C@smc.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Battery rating - AMP-HOURS.

In very simple terms - if a battery is rated at 10 AH, then you can draw 10A for 1hour, or 5A for 2 hours, or 1A for 10 hours, etc. How long a battery will last depends on the discharge rate, the useful end-point voltage, the temperature (cold slows down the local action which causes self run-down), and the duty cycle.

Battery - A device that has a chemical reaction between the anode, cathode, and electrolyte.

Two main types - Primary (discard after use) and secondary (can be recharged).

Carbon Zinc (1.5V) - lowest cost.

Zinc Chloride (1.5V) - heavy duty - dries up as it used.

Alkaline (1.5V) - up to 7 times the life of carbon zinc.

Mercury (1.4V) - flat discharge rate. (hearing aids, watches, instruments).

Lithium MN02 - High energy density (pacemakers).

NiCd (1.2V) - A secondary cell, or one that is rechargeable. The chemical reaction can be reversed.

Lead Acid (2.0V per cell). Can measure the specific gravity to check condition. Normal = 1.3.

Internal resistance of a battery must be very low. The discharge curve is either sloping or flat.

Do not throw out batteries in the trash. Recycle them at your local library or collection center.

72,

John W2XS

>From an earlier post that I saved from NN6CW:

Following are Duracell's capacity ratings per battery in milliamp-hours:

"D" cell 15,000 mAh  
"C" cell 7,800 mAh  
"AA" cell 2,850 mAh  
"AAA" cell 1,150 mAh  
9 V 580 mAh  
"N" cell 800 mAh

All ratings are for Duracell Alkaline batteries (Gold & Black) packaging... their ratings -- not mine :) !

Standard disclaimer....

GL - 72 - Conrad Weiss - NN6CW

-----  
Date: Mon, 18 Sep 2000 18:16:13 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: john.meade@smc.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [79828] Re: Twin lead vs ladder line?  
Message-ID: <39C6A23D.42BDC860@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The 450 stuff I use is black and has #16 stranded wire that is tough as a nail! Think Radioworks sells it . . .

I always bring ladder line up and over the top of the center insulator so that the weight and tension is carried by the insulator and not the

actual feeder connections. Never had one break yet.

72/73, George W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) Icom IC-765  
(6/90)

John Meade wrote:

>  
> I have had very good luck with 300-Ohm line that has the slots cut out  
> like the 450-Ohm stuff.  
>  
> 450-Ohm - Single copper wire. Usually brown in color. Breaks easily.  
> I have tuned up with both conductors disconnected from the antenna!  
> Maybe with the EmTech ladder-line grabber it may stay up longer.  
>  
> 300-Ohm "KW" slotted - multiple strands, very strong, thinner, easier to  
> route into the shack, stays up a lot longer. Mine is black.

-----  
Date: Mon, 18 Sep 2000 19:15:40 -0400  
From: S LYON <sslyon@worldnet.att.net>  
To: n6wg@earthlink.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79829] PARALLEL & COAX FEED, MATCHING SECTIONS...  
Message-ID: <39C6A21C.EFE78BB4@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Good point Bob. also, PARALLELLED coax can be a great way just to get  
into the house where metal precludes ladderline, etc.

-s-

Bob Tellefsen wrote:

>  
> Bob  
> If you are primarily interested in using 72 ohm line as a matching section,  
> you can use 72 ohm coax just as readily. You will have to adjust for the  
> d  
--

'Seab' Lyon - AA1MY  
Beacon NY USA FN-31  
QRP-L 574 ARCI 9253

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Date: Mon, 18 Sep 2000 17:50:58 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-canada@lists.gpfn.sk.ca, qrp-1@lehigh.edu  
Subject: [79830] Storms during QRP Afield  
Message-ID: <Pine.SUN.4.10.10009181732100.14364-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you participated in QRP Afield saturday/sunday, you had a front row seat (ear-witness?) to two days of geomagnetic storms.

Saturday at 1800Z (1200 MDT) as the contest began, some previous solar flares bumped the solar flux into the 180's for fair to good propagation on 15M. Our geomagnetic field was quiet for normal conditions on 20-40M. By evening, a shockwave in the solar wind triggered a minor geomagnetic storm with K-indices of 4-5 by midnight. This elevated the noise levels on 20M making it appear to "shutdown" or have very weak signal strengths, and of course high, bursty static on 40M.

ON SUNDAY, for those of us portable on the fresh-start part of the contest, we fought MINOR to MAJOR geomagnetic storming right up until the contest closed at 1800Z sunday. Good thing, for only a few hours later, a HUGE shockwave arrived, pushing the solar wind to nearly 900 km/sec, and triggering MAJOR storming in the US and SEVERE storm conditions in Canada/Alaska.

With the high solar flux, this is why 15M sported good, quiet conditions when you \*did\* manage to contact someone :-( ... due to lack of activity, not conditions. But the major geomagnetic storm sunday, with K=5 during the last 3 hours, is why 20M was disappointing with high noise levels, and why you probably didn't hear a thing on 40M. Long skip was difficult on 20M (say over 1200 miles), which is why closer stations were louder, and poor ole' N4BP in Florida out here in the west was struggling.

But ... inspite of minor to major geomagnetic storming, stations working QRP Afield still made coast-to-coast contacts with 5W. So the lesson is, these storms \*do\* play havoc on the HF bands, but even at 5W, it does NOT prevent you from having QSO's ... albiet, weaker signal strengths and noiser conditions.

TONIGHT ... another shockwave from a CME on saturday is expected, to keep our geomagnetic field stirred up. This will continue the stormy conditions on the bands, especially tonight on 40M ... but may also trigger enhanced auroral activity all over Canada and into the northern states.



72, Paul NA5N

-----  
Date: Mon, 18 Sep 2000 19:55:47 -0400  
From: "Anthony A. Luscre" <aluscre@neo.rr.com>  
To: wb8yyy@yahoo.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [79831] Re: MFJ 1278 PC Connection  
Message-ID: <20000918235741.AAA18550@roadrunner.neo.lrun.com@neo.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Curt Milton wrote:

> I am trying to use the 1278 with a more modern PC - i  
> have tried it with a 486 and also a late model  
> pentium, with no success. I have made sure all the  
> settings matched - but no communication between these  
> units.  
>

I am guessing it is not the machine but the operating system DOS in XT  
vs. WIN95 on 486.

1. Check the port settings in Control Panels... System
2. Make sure mouse or modem is not on same IRQ

--  
|-----|  
| Anthony A. Luscre  
| K8ZT  
Stow, Ohio

-----  
Date: Tue, 19 Sep 2000 00:00:17 -0400  
From: "KC1FB" <kc1fb@optonline.net>  
To: <w2agn@pobox.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [79832] Re: QRPP Arrives  
Message-ID: <009601c021ee\$1f3b7fe0\$1600a8c0@tp760e>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My SECOND one arrived today, too, after I read the first cover to cover.  
Label looks exactly like the first. Hope there isn't a problem.

Jim Francoeur KC1FB QRP-L #29  
Norwalk, CT

-----Original Message-----

From: John L. Sielke <w2agn@pobox.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Monday, September 18, 2000 5:37 PM  
Subject: QRPP Arrives

>Spring is here, and my Spring QRPP arrived today!  
>  
>Seriously, for some reason I got 2 copies. I thought it might be the call  
>change, but they both were addressed to N4JS. If an NorCal member does not  
>get  
>a copy, let me know, and I'll send the spare off to you, gratis.  
>  
>Worth reading!  
>  
>  
>  
>---  
>  
> / \ / \ / \ / \ / \ John L. Sielke w2agn@pobox.com w2agn@qsl.net  
>( W | 2 | A | G | N ) NJ Grid:FM29LN <http://www.qsl.net/w2agn>  
> \\_ / \\_ / \\_ / \\_ / \\_ / NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86  
>X-N4JS, W4MPC, W7JEF, K3HLU G-QRP #9544 NorCal CQC AKQRP QCWA FISTS #2781  
>fpQRP #121 SOC #390 Elecraft K2 #00023  
>

-----  
Date: Mon, 18 Sep 2000 20:15:35 -0400  
From: Tom Randall - KB2SMS <trandall@idsi.net>  
To: qrp-l@Lehigh.EDU  
Subject: [79833] Re: Rigblaster vs homebrew psk-31?  
Message-ID: <200009190015.UAA22333@mail.idsi.net>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Dan Wrote:

"I agree on the savings of \$87. First thoughts to me are "why would anyone buy one?" I built my interface from parts in my junk box so I can really say that I saved \$89.

Another issue, or maybe I should say "objection" is the fact that it uses mic. input and speaker out (I do believe that this is the case) rather than the constant level line in and out most all radios have. That makes for a lot of adjustments during actual operation.

Those objections out of the way, I know that there are many who can not for various reasons, come up with a homebrew interface. That fact certainly justifies its presence in the market."

Well \*I\* bought one. It's put together very well. It doesn't require a "lot of adjustments" either. The hardest part was getting the software volume levels right, once that is done you don't need to adjust anything. I leave my power setting on the rig (TS-450S) up full and my gain about 1/4 up. I adjust the output once in a while, when I feel like working qrp I tweak the power down.

My reasons for getting it (I got it when it first came out for \$10 cheaper) was I have no real experience in building yet. I know the circuit is simple but for a newcomer to building there's a little "fear factor" in burning up the place. Laugh all you want, some of us are new to that aspect of the hobby. I also like the fact that I can use my mic by just keying it up, it bypasses the rigblaster instantly, which is good if you are into SSTV for instance. The unit works VERY well and is easy to set-up and use. Configuring the software is the trickiest part really. I guess I also like the fact that I don't have to switch cables to use my mic when I want to work phone. A lot of people use it, maybe because they just don't want to be bothered cobbleing up the interface. Some folks buy pre-built qrp rigs, as long as they get on the air and use them what difference does it make?!

73,

Tom - KB2SMS

Tom Randall -- tprandall@idsi.net (Remove the "P" to e-mail me)  
Amateur Radio: KB2SMS (Grid FN31) - ARRL / 10-10 / QRP-L #1965  
Look for me on PSK31 on 14.069.5 and 28.119.5

Member: AAVSO Solar Division

My Astronomy/Ham radio site: <http://www.idsi.net/~trandall/welcome.html>

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Date: Mon, 18 Sep 2000 20:29:53 -0400  
From: S LYON <sslyon@worldnet.att.net>  
To: chat qrp <qrp-1@Lehigh.EDU>  
Subject: [79834] QRP AFIELD vs HAMFEST  
Message-ID: <39C6B380.414542E1@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Had to honcho our club hamfest this year so had to miss the fun. Have to say that I liked the simplified rules, and the notion that events like this can be "tuned" for max. good effect/acceptance. Sounds like it was a great success -despite the solar conspiracy. That's what it's all about, isn't it? I'll be ready for next year!

72

-s-

--

'Seab' Lyon - AA1MY  
Beacon NY USA FN-31  
QRP-L 574 ARCI 9253

-----  
Date: Mon, 18 Sep 2000 18:48:34 -0600  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <john.meade@smsc.com>, qrp-1 <qrp-1@lehigh.edu>  
Subject: [79835] [Ant]Helpful Hints for Twin Lead  
Message-ID: <B5EC1402.298D%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

John - The Emtech Ladder Grabber is the way to go for connecting ladder line to a dipole. The strain relief it provides is simple and effective. The cost, about \$7 or so, is the best investment a ham using ladder line can make. You can also use it on the 300 Ohm ladder line. If you punch a hole in regular 300 Ohm twin lead you can use it with that as well.

If you install a high value resistor across the feed point of the dipole, you can use an Ohm meter to check for feedline integrity. 5 K is good for coax fed resonant antennas, 100 K - 200 K is good for balanced feeders. The resistor will only dissipate a small amount of power since its resistance is small compared to the impedance of the antenna.

I hope that this helps. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----  
Date: Mon, 18 Sep 2000 19:45:46 -0500  
From: "John Burnley" <burnleyia@home.com>  
To: <qrp-1@lehigh.edu>, <IaQRP-L@divis17.ped-gen.uiowa.edu>  
Cc: <w5jay@alltel.net>, <ae4ic@nr.infi.net>  
Subject: [79836] Contest: Milliwatt Triple Crown Third Leg Results  
Message-ID: <00e701c021d2\$f2cf6220\$1b790818@c149552-a.west1.ia.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi gang. Mark (KQ0I) has compiled the scores of the third leg of the Milliwatt Triple Crown and forwarded them to me. As you recall, the conditions for the contest were terrible as a major solar event had pretty well devastated the bands as demonstrated by the number of logs submitted to Mark. But a few hearty QRP'ers braved the conditions and made some FB milliwatt contacts. So here are the official results of the third leg sponsored by the Iowa QRP Club:

Overall Placement	Call	Score
1st	N4ROA	5,592
2nd	NF0R	2,264
3rd	NQ5RP	1,456
4th	KC00CO	60
5th	KQ0RP	24

Our thanks to all who participated. I'm in the process now of trying to contact the winners about prizes (to be announced in a follow-up post). And now the suspense builds as the overall winner is determined for the first Milliwatt Triple Crown.

72, John NU0V

-----  
Date: Mon, 18 Sep 2000 18:48:21 -0600  
From: "John A. Evans - N0HJ" <jaevans@codenet.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79837] Re: Reading QPR-L without the email.  
Message-ID: <39C6B7D5.A8910665@codenet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

When the wings of a flea are removed, the flea becomes deaf !!

72 - john - n0hj

Jim Durkin wrote:

> Can read and post to qrp-l without having to receive  
> all the email.  
> If subscribed, just postpone mail by sending the  
> postpone comand to listserv@lehigh.edu  
> The command is SET QRP-L mail postpone  
>  
> This will stop all email but still allow you to post  
> to the list.

-----  
Date: Mon, 18 Sep 2000 19:50:44 -0500  
From: "John Burnley" <burnleyia@home.com>  
To: <qrp-l@lehigh.edu>, <IaQRP-L@divis17.ped-gen.uiowa.edu>  
Subject: [79838] Contest: Third Leg Milliwatt Triple Crown Results Correction  
Message-ID: <00f101c021d3\$a49c59e0\$1b790818@c149552-a.west1.ia.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Sorry for the extra bandwidth gang but I mistyped the  
4th place winner's call. It should read:

4th

KC80C0

60

My apologies to Diz Gentzow (W8DIZ) who submitted the log.

72, John NU0V

-----  
Date: Mon, 18 Sep 2000 21:36:23 -0400  
From: "Joe Everhart" <n2cx@voicenet.com>  
To: "qrpl" <qrpl@lehigh.edu>  
Cc: "njqrp" <njqrp@njqrp.org>  
Subject: [79839] Re: QRP Light Pens from the NJQRP Club  
Message-ID: <003301c021da\$05cecd00\$bc5947d1@JoeEverhart>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Group,

Thanks to you all for who expressed an interest in the club offer on pens.  
We are up to a critical mass!

In fact there were so many responses that I'm afraid I can't respond to you all individually. However they all recorded and if we don't receive an order by the time they arrive we will send a reminder.

We're in the process of setting up the order and expect that they will be received in a month or so. We will certainly let you know when they are available. George, N2APB has set up info on the pens and how to order them on the NJQRP web page at:

<http://www.njqrp.org/pens/>

Now back to the short 80 meter antenna project. Stay tuned and check the QHB at the end of this month!

72/73,

Joe E., N2CX

-----

Date: Mon, 18 Sep 2000 18:46:12 +0100  
From: Chuck Adams <k7qo@primenet.com>  
To: qrp-1@lehigh.edu  
Subject: [79840] OT: Lab help needed  
Message-ID: <4.3.2.7.0.20000918183802.00b043d0@pop.primenet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Have a rush project for Pacificon that I'm working on.

I am in need of a copy of "Experimental Physics" by Strong.  
And any other book that will help with respect to bell jars,  
etc.

Also need help on building a vacuum chamber to do metal  
deposition of Al and other metals on objects.

1. Can I do metal sputtering at 1-100 milliTorrr? I'm trying to avoid  
diffusion pumps and other expensive items.
2. Can I get this level of a vacuum with the HVAC equipment  
used to pump out A/C lines?
3. Any of you former student's of Physics Departments where you did this  
stuff?

It's for plating a paddle and then a 10" telescope mirror. :-)

dit dit

P.S. Am trying to do this without a significant budget cost.

P.S.S. It is QRP related for some other ideas....

Chuck Adams, K7QO Prescott, AZ

-----  
Date: Mon, 18 Sep 2000 20:53:45 -0500  
From: tedkell@juno.com  
To: qrp-1@Lehigh.EDU  
Cc: qrp-1@Lehigh.EDU  
Subject: [79841] Re: wire/rope ant



Message-ID: <20000918.210556.-3987157.2.tedkell@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

No way are you gonna have the africanized ones there. They don't cluster in the winter and freeze just a bit north of Houston, TX. I would probably, if it were me, and I HAD to move the ant, drop the antenna, stay away from them for a couple of hours and go about my business. European bees are generally fairly peaceful. I have boxed them in a tee shirt and shorts. Actually found the queen in my hand one time. Bees are really interesting creatures. NOTE, I said GENERALLY, ymmv and I accept no responsibility for your actions. You didn't really say, but are they on a branch, or in a tree? If the former and not too high a local keeper could well be interested in them. Have they been there long? This is really late in the year to swarm.

Ted

N3TED

On Sun, 17 Sep 2000 18:17:38 -0700 "bob baxter" <rbaxter@cybertrails.com> writes:

> Joel, You've got 3 choices. 1- Call in your local beekeeper. 2- Do  
> the antenna in the middle of the night 3- Wait for freezing  
> weather.

> #2 is a little risky, you might not want to wait for #3 so #1 is  
> probably your best option. Don't know whether your bees are  
> africanized

> yet or not but ours are in Arizona. They are fierce nest protectors  
> and

> have been known to kill horses. GL Bob Baxter AA7EQ Bisbee, Az.

> -----Original Message-----

> From: hamjoel@juno.com <hamjoel@juno.com>

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

> Date: Sunday, September 17, 2000 5:56 PM

> Subject: wire/rope ant

>

>

>

> > anybody's knew how to get them bees outta the tree without human  
> > sacrifice??? The nest is about 7ft off the ground....in a young fir  
> tree.

> > kella joel

> > in maine

> > bee-ing afraid...

> >

> >-----  
> >YOU'RE PAYING TOO MUCH FOR THE INTERNET!

> >Juno now offers FREE Internet Access!

> >Try it today - there's no risk! For your FREE software, visit:  
> ><http://dl.www.juno.com/get/tagj>.  
> >  
>

Ted Kell  
N3TED

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 18 Sep 2000 22:11:33 -0400  
From: "Terres Family" <terresfm@ncia.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [79842] Re: QRPp arrives  
Message-ID: <007001c021de\$eff76c80\$bf82f3ce@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>My SECOND one arrived today, too, after I read the first cover to cover.  
>Label looks exactly like the first. Hope there isn't a problem.  
>  
>Jim Francoeur KC1FB QRP-L #29  
>Norwalk, CT

ditto  
jerry aa1of  
franconia nh

-----  
Date: Mon, 18 Sep 2000 22:12:05 -0400  
From: S LYON <sslyon@worldnet.att.net>  
To: k7qo@primenet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79843] Re:(QRP) vacuum deposition technology  
Message-ID: <39C6CB75.72CFDD2B@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings, Chuck

Admirable goal, but IMHO, better left to folks equipped for the task. It's not that expensive to get an 8" mirror aluminized, compared to the time and potential problems re doing it yourself. I've had experience doing evaporation and sputtering in the semiconductor industry and would advise that unless you have a LOT of time to acquire surplus industrial pumps, experiment and trouble-shoot, don't attempt it. Better to invest time in seeking connections with folks with direct connections.

The main reason is that vicissitudes of deposition can impede defect analysis. Experienced engineers/techs can save a much time and frustration. As a starter, I'd suggest contacting (your idea) the guys who re-coat telescope mirrors for leads if not tasks. (see Sky & Telescope mag. for ads)

can't wait to hear what THIs is all about!

72

-s-

Chuck Adams wrote:

>  
> Gang,  
>  
> Have a rush project for Pacificon that I'm working on.  
>  
> I am in need of a copy of "Experimental Physics" by Strong.  
> And any other book that will help with respect to bell jars,  
> etc.  
>  
> Also need help on building a vacuum chamber to do metal  
> deposition of Al and other metals on objects.  
>  
> 1. Can I do metal sputtering at 1-100 milliTorr? I'm trying to avoid  
> diffusion pumps and other expensive items.  
> 2. Can I get this level of a vacuum with the HVAC equipment  
> used to pump out A/C lines?  
> 3. Any of you former student's of Physics Departments where you did this  
> stuff?  
>  
> It's for plating a paddle and then a 10" telescope mirror. :-)  
>  
> dit dit  
>  
> P.S. Am trying to do this without a significant budget cost.  
>  
> P.S.S. It is QRP related for some other ideas....  
>

> Chuck Adams, K7Q0    Prescott, AZ

--

'Seab' Lyon - AA1MY  
Beacon NY USA FN-31  
QRP-L 574 ARCI 9253

-----  
Date: Mon, 18 Sep 2000 22:11:58 -0400  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [79844] power on twin lead  
Message-ID: <20000918.223244.-222067.1.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

When I had a 735 I ran 100 w into twinlead from my tuner.... not a  
problem...  
iffin u gonna stay qrp levels or even 50w no problem  
and like I said I had no problems at 100w....  
kella joel  
in maine

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 18 Sep 2000 20:25:20 -0700  
From: Paul Maciel <pmaciel@inow.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79845] Club: QRPp duplicate issues  
Message-ID: <39C6DCA0.1E422C07@inow.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello All,

Looks like I may have printed a duplicate sheet of labels for the Spring  
issue of QRPp. If you receive an extra copy please pass it along to  
someone who would enjoy reading about QRP.

If you have any questions about your QRPP subscription send me a note.

72,  
---Paul AK1P  
pmaciel@inow.com

-----  
Date: Mon, 18 Sep 2000 20:30:31 -0700  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: EleCraft mail list <elecraft@qth.net>  
Cc: QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@onelist.com>  
Subject: [79846] Elecraft Site Updated / New Secure Order Form  
Message-ID: <39C6DDD7.EC422BB8@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi,

I've just completed a fairly major set of changes and clean up to the Elecraft web page at <http://www.elecraft.com>

The main page has been reformatted to accommodate smaller screens, and the overall site navigation has been greatly simplified.

We have also added a secure, encrypted order form that can be filled out and submitted over the web. (We still have the regular printed form for those who wish to FAX or mail it to us.)

If you see any problems with the new pages or can't find something you are looking for, please feel free to email me at: [eric@elecraft.com](mailto:eric@elecraft.com)  
I'll fix any problems as soon as possible.

73, Eric WA6HHQ  
--  
<http://www.elecraft.com>

-----  
Date: Tue, 19 Sep 2000 00:11:53 +0930  
From: lenny wintfeld <w2bvh@home.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79847] What's the best book on filter design?  
Message-ID: <39C629B0.848506B@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi all!

There's fair agreement that the best book on C programming is by Kernighan & Richie, and the best book on elementary calculus is by GB Thomas, etc.; so, is there also a "best book" (still in print) on filter design (meaning passive filters)?

If there's some agreement from folks on the list, that's the book I'll get.

Thanks.

Vy 73,

Lenny Wintfeld W2BVH  
in Cranford NJ

-----  
Date: Mon, 18 Sep 2000 21:41:34 -0700  
From: Scott Gregson <emtech@steadynet.com>  
To: qrp-l <qrp-l@lehigh.edu>, "Hendricks, Doug" <ki6ds@dpol.k12.ca.us>  
Subject: [79848] QRP Pacificon Business cards  
Message-ID: <39C6EE7E.E0B421F5@steadynet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I had emailed with Doug Hendricks about this little program I am writing, and had told him that I would have him post to the list when it was done. Well, I need a little help, so I am posting now.

This program will allow you to input your Call and name and will format a webpage for you to print that will give you 10 business cards formatted for Avery business card stock.

I am not convinced of the formatting for IE (I am not convinced that the formatting that is working for me will work for others). If some people could run the little program and see if it will "print" right I would appreciate it.

Some things to keep in mind (THIS IS FOR THE IE VERSION 4.xx - 5.xx):

1. The final program will allow you to input your data (this one doesn't).
2. These are formatted to print on Avery 8371 (or like format) cards

(Avery gives the same format stock several part numbers based on the quantity in the package).

3. You need to set the margins on top-.5", left-.75", right-.75", bottom-.4" (or less)
4. You MAY need to turn off the header and footer stuff in the page setup dialog (delete the codes, if you do delete them please write them down on paper first).
5. What you see in the browser window will differ from what is printed (nature of the beast).

Now, where to go:

<http://www.steadynet.com/webcards/ie.mv>

That page will not look right in Netscape (which incidentally takes 1/3 of the coding to get the same result).

What I need to know from you if you help me out by printing this thing:

1. Exactly what version of browser?
2. What kind of printer & model?
3. Did each block (1 business card) measure 3-1/2" x 2"?
4. Did the whole page print on 1 sheet of paper?

Formatting ?

1. Should I put the NorCal logo as a gray background image for the whole card or leave it off the side?
2. Do we want to have the choice to print our text and the NorCal log in color?

I am running a HP laserjet 5MP, I can't get it to print right in Postscript, but it works fine in PCL mode (whatever works eh.)

Thank you!!

--

-----  
Scott Gregson KC7MAS  
EMTECH  
1127 Poindexter Ave W  
Bremerton, WA 98312  
360-405-6805  
<http://emtech.steadynet.com>  
[emtech@steadynet.com](mailto:emtech@steadynet.com)

-----  
Date: Mon, 18 Sep 2000 23:42:01 -0600

From: "Alyn Backe" <va6cw@look.ca>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [79849] VE6BPR's Homepage  
Message-ID: <00a001c021fc\$56635700\$32f7aecc@laptop>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Just a quick note to inform anyone linking to my QRP/CW website that the URL has changed.

My new website address to VE6BPR's Homepage is:

<http://www.qsl.net/ve6bpr/>

Best 73,  
AL, VE6BPR / VA6CW...

(Sorry if this is a duplicate message. I'm in the process of setting up a new internet account.)

-----  
Date: Mon, 18 Sep 2000 22:27:42 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: lenny wintfeld <w2bvh@home.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79850] Re: What's the best book on filter design?  
Message-ID: <Pine.BSI.3.96.1000918222205.2800B-100000@usr01.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Good question. For all-around filter design, my favourite is:

Lam, Harry Y-F., "Analog and Digital Filters: Design and Realization," Prentice-Hall, 1979.

Next is:

Schaumann, Rolf et al, "Design of Analog Filters: Passive, Active RC, and Switched Capacitor," Prentice-Hall, 1990.

I have over three dozen books on filters, and I probably use Lam the most.



There are many others that go into details on active filters, but Lam gives a good uncluttered treatment for passives.

Chris

On Tue, 19 Sep 2000, lenny wintfeld wrote:

```
> Hi all!
>
>   There's fair agreement that the best book on C programming
> is by Kernighan & Richie, and the best book on elementary
> calculus is by GB Thomas, etc.; so, is there also a "best
> book" (still in print) on filter design (meaning passive
> filters)?
>
>   If there's some agreement from folks on the list, that's
> the book I'll get.
>
>   Thanks.
>
>                               Vy 73,
>
>                               Lenny Wintfeld W2BVH
>                               in Cranford NJ
>
```

```

/-----\
/  What's all this  \
/ extinct stuff, anyhow? /
\-----\
  | /
oo\
(--) \
      \  . ' .
      \  / ' '
      \ / ' '
      \| "
      \|
      \| ( )
      \| -| )__| :. \
      \| | | | | \ '
      \| c__; c__; ' -.. ' > .__
```

High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

-----

Date: Mon, 18 Sep 2000 22:41:16 -0500  
From: w6ors@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [79851] Re: OT:? Tie Wrap Colors  
Message-ID: <20000918.230910.-344681.1.w6ors@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

9-18-00

It's got to do with ozone...

I remember a customer I had that bought a whole bunch of the "white" ties, and then suddenly switched to the black ones. My company didn't mfg the black ones and I couldn't convince them that the black ones were the best for direct sunlight and lost the customer. The customer had identified he same problem you described...no longevity due to the white color.

73,

Corky W6ORS  
Hilo HI

On Mon, 18 Sep 2000 07:35:37 -0500 "Dan W. Dooley"

<dandooley@pipeline.com> writes:

> I hope that this is not seen as too Off Topic. I don't think it's  
> too far  
> off.  
>  
> Apparently there is a big difference in tie wraps which goes beyond  
> just the  
> color of white vs. black.  
>  
> I used a couple of the white ones to snug down my coax against the  
> antenna  
> mast. That was oh maybe three or four months ago. Yesterday I had  
> the  
> antenna lowered and found both tie wraps were brittle and one was  
> broken.  
>  
> I used some black ones to secure coax to a tower leg. That was  
> probably  
> three or four years ago, at least. They are still supple and  
> secure.  
>  
> So, what's the difference?  
>

>  
> Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
> e-mail to: dandooley@pipeline.com  
> SOC #198, FPQRP # -104  
> May Goddes love blest ye alle  
> "Ancient Pistol, I do partly understand your meaning."  
>  
>

---

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 18 Sep 2000 22:54:20 -0500  
From: w6ors@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [79852] Re: Twin lead vs ladder line?  
Message-ID: <20000918.230910.-344681.3.w6ors@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

9-18-00  
You might try Davis RF in NH. He has an 800-328-4773 number and offers a discount to Radio Club members.  
73,

Corky W6ORS  
Hilo HI

On Mon, 18 Sep 2000 13:02:04 +0100 "Bob Duckworth" <wb4mnf@atl.org> writes:  
> I have not been able to locate a source of transmitting twin lead.  
> Is anyone still making it?  
> I use ladder line on one antenna but have an  
> application that calls for transmitting twin lead.  
> -bob  
>

---

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<http://dl.www.juno.com/get/tagj>.

-----

Date: Mon, 18 Sep 2000 20:40:03 -0400  
From: "Brian J Keegan" <brimail@home.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [79853] Re: Reading QPR-L without the email.  
Message-ID: <000201c02221\$cb70b400\$12960318@vron1.nj.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've been doing it that way for a couple of years and it's great. I can scroll down the page and read only the postings I want. A great time saver and a wonderful way to avoid the threads that get out of hand, too.

Brian KF2HC  
brimail@home.com

-----  
Date: Tue, 19 Sep 2000 06:42:03 +0000  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: w2bvh@home.com, qrp-l@Lehigh.EDU  
Subject: [79854] Re: What's the best book on filter design?  
Message-ID: <20000919.064513.-164941.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Passive;  
Ed Wetherold's, published in ARRL Handbook and IEEE (many many years)  
and  
note -his- reference and cross reference, outstanding.

Active;  
Don Lancastter's, Active Filter Cookbook ('75, '95, '96) (apx. \$30, US)  
ISBN 0 7506 2986 X,  
British Library Cat and  
Library of Congress . . .

John  
N3AAZ  
FM19xa

On Tue, 19 Sep 2000 00:11:53 +0930 lenny wintfeld <w2bvh@home.com>  
writes:

>Hi all!

>

> There's fair agreement that the best book on C programming  
>is by Kernighan & Richie, and the best book on elementary  
>calculus is by GB Thomas, etc.; so, is there also a "best  
>book" (still in print) on filter design (meaning passive  
>filters)?

>

> If there's some agreement from folks on the list, that's  
>the book I'll get.

>

> Thanks.

>

> Vy 73,

>

> Lenny Wintfeld W2BVH  
> in Cranford NJ

---

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 19 Sep 2000 12:46:58 +0100  
From: bejones@hursley.ibm.com  
To: qrp-1@Lehigh.EDU  
Cc: N10DL@aol.com  
Subject: [79855] Re: K2 Questions  
Message-ID: <39C76042.13027.C6714A@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Aron

my 2 cents worth - which is actually costing me a lot more  
in these days of strong dollar :-(

I have SSB - I very rarely use CW because at heart I'm a SSB  
operator (no flames guys I do have a dozen of so keys and paddles  
just don't choose to use 'em often). The K2 is a fine SSB rig - I get  
really good reports re my audio using a standard Kenwood fist  
mike. QRP SSB is feasible - I have currently worked 73 DXCC  
countries in a little over 3 months and I don't get to operate too

often - only about 170 QSOs in the K2 log). Some good DX in there too - (1A0, 3A, 5X, 8P, 8Q, A5) and some long haul LU, CE, and a VK7 (over 10,000 miles from here in the UK) - all on 10W SSB with pretty poor antennas - Cushcraft R7 vert close to trees and Windom at 25 ' half in trees. Sure QRP SSB is harder than QRO but it hones the skill of listening to the other guy and figuring when to call. Also figuring when the pile-up is just too big and time to move on.

The K2 ATU - I got it and use it all the time - its great in as much as it remembers 2 antennas so switching from my vert to my windom is instantaneous not requiring a retune like my TS850SAT. However the ATU is only 10W or so, so if you want the 100W amp option for the K2 then it will be useful only when you are running QRP.

Internal battery - I bought the mounting kit and then got a similar battery (but only 2.1Ah) here in the UK. I haven't used it in the field yet but bought my K2 to accompany me on trips so the battery will be useful. Mind you my PSU is on a shelf under the bench so I often just run the K2 on battery if I'm only going to be in the shack for a short while to save me the effort of bending down and powering on!

There's very little I don't like - I'd prefer the store/reload memory buttons to be swapped and an option to check memory and then go back to current VFO position (go used to the scratchpad memory on the TS850) but no big deal (anyway it's probably there - I haven't figured out all of the operational aspects yet). Changed the tuning knob to the Yaesu one which is much better (IMHO).

I don't use the TS850 these days. Looking to make 100 DXCC SSB QRP by year end (or certainly no later than 12 months after my K2 first went on the air) and then maybe I'll go for 100 DXCC CW QRP!!!

Brian G0UKB  
Brian E Jones  
Centre for Java Technology  
IBM HURSLEY

-----  
Date: Tue, 19 Sep 2000 07:16:32 -0500  
From: "Cla KA0GKC" <ka0gkc@arrl.net>  
To: "QRP-1" <qrp-1@lehigh.edu>  
Subject: [79856] Line in/Line on Rigs for PSK31 etc.  
Message-ID: <062c01c02233\$8a7d0720\$0200000a@mcg.net>

Hi all,

I have a TenTec Omni here and it doesn't have line level connections. I've been using the patch connections but they just parallel the mic. and speaker jacks. I was thinking of rewiring these jacks to provide the line level outputs. To do this I'm going to have to tap the audio chain before the volume control and maybe put an attenuator in the patch in circuit or tap the mic. amp at the second stage.

So to my question: What is line level supposed to be? Or should I just adjust the line levels so they work with my soundcard and the TenTec? I've also noticed that my sound cards line out seems to be just a paralleled speaker jack. Has anyone else noticed this?

----

73 de KA0GKC Claton Cadmus

ka0gkc@arrl.net

MNQRQ #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

-----

Date: Tue, 19 Sep 2000 05:32:09 -0700 (PDT)

From: Craig LaBarge <wb3gck@yahoo.com>

To: qrp1-mailing-list <qrp-1@lehigh.edu>

Subject: [79857] Poly Cap Shaft Hardware

Message-ID: <20000919123209.23731.qmail@web702.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Greetings:

Does anyone know of a good mail order source for the M2.5 x 0.45 x 16mm metric pan head screws used in the BLT tuner kit for putting shafts on the variable caps?

I'm also looking for the nylon spacers (1/4" OD, 1/5" long) that are used with the above screws.

I haven't been able to find them in any of the local hardware stores and I have a few projects in the works which use these variable caps.

Thanks.

73, Craig WB3GCK  
wb3gck@arrl.net  
<http://www.qsl.net/wb3gck>

-----  
Do You Yahoo!?  
Send instant messages & get email alerts with Yahoo! Messenger.  
<http://im.yahoo.com/>  
-----

Date: Tue, 19 Sep 2000 08:37:30 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <ka0gkc@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [79858] Re: Line in/Line on Rigs for PSK31 etc.  
Message-ID: <005d01c02236\$6549fd20\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> So to my question: What is line level supposed to be? Or should I  
just  
> adjust the line levels so they work with my soundcard and the TenTec?  
I've  
> also noticed that my sound cards line out seems to be just a  
paralleled  
> speaker jack. Has anyone else noticed this?  
>  
> 73 de KA0GKC Claton Cadmus

I would suggest that you do EXACTLY what you thought!! That is, tap  
the audio chain before the volume control. In fact, I'd tap the TOP of  
the  
volume control pot. Unless there's some audio shaping and that may  
mean tap earlier.

I'd also do what you were thinking, and that is put ANOTHER pot there,  
that way you can adjust your 'line out' level. I'd also capacitively  
couple  
the tap to the top of the original pot, AND capacitively couple the feed  
to the jack on the back of the rig. Don't forget RF bypass as well.



Line out generally seems to be about 100mv at max levels. But there's a LOT of variance there, so whatever you pick, you're probably going to 'tinker' a bit as well. I'd turn on the rig on a LOUD signal, then run a program that shows waveforms on the PC. Set the line input level in the sound card to be about 65-75%, then slowly advance the line out in your rig until you see a 'full' display. If you see flat-topping, back it WAY off and play with the sound card level in setting.

As to the speaker and line out being the same, well, that shouldn't be. But a LOT of new cards don't have amps any more. I know, they're 'supposed' to have them. But with the advent of integrated audio 'on board' coupled with the popularity of amplified speakers, the amps seem to be 'forgotten' on a lot of systems.

Mike

-----  
Date: Tue, 19 Sep 2000 08:34:57 -0400  
From: "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>  
To: "'wb3gck@yahoo.com'" <wb3gck@yahoo.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79859] RE: Poly Cap Shaft Hardware  
Message-ID: <95CB658F8515D211B84B00805FA728660332432F@atlexc02ntms.hboc.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="windows-1252"

2 sources, one of these two have them, I saw it last night... Marlin P Jones or MECI.com. They sell the caps and the hardware in singles or a bunch at a time.

Jerry  
W3CDE

-----Original Message-----  
From: Craig LaBarge [mailto:wb3gck@yahoo.com]  
Sent: Tuesday, September 19, 2000 8:32 AM  
To: Low Power Amateur Radio Discussion  
Subject: Poly Cap Shaft Hardware

Greetings:

Does anyone know of a good mail order source for the  
M2.5 x 0.45 x 16mm metric pan head screws used in the  
BLT tuner kit for putting shafts on the variable caps?

I'm also looking for the nylon spacers (1/4" OD, 1/5"  
long) that are used with the above screws.

I haven't been able to find them in any of the local  
hardware stores and I have a few projects in the works  
which use these variable caps.

Thanks.

73, Craig WB3GCK  
wb3gck@arrl.net  
<http://www.qsl.net/wb3gck>

-----  
Do You Yahoo!?

Send instant messages & get email alerts with Yahoo! Messenger.  
<http://im.yahoo.com/>

-----  
Date: Tue, 19 Sep 2000 05:42:37 -0700 (PDT)  
From: Shawn Upton <kb1ckt@yahoo.com>  
To: qrp-1@Lehigh.EDU  
Subject: [79860] Re: OT:? Tie Wrap Colors  
Message-ID: <20000919124237.28793.qmail@web4804.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Apparently there is a big difference in tie wraps  
which goes beyond just the  
color of white vs. black.

\*\*\*\*\*

Well, if you bought your zip-ties from Radio Shack, I  
know from direct experience that the black ones are  
rated as UV resistant, and the white ones are not. Of

course, they are cheap enough, you can just buy new ones from RS or Home Depot.

On a side note, I have noticed that the black ties are more brittle than the white ones--put alot of pressure on 'em, they snap. Don't like small diameters, that is. I tried to use the black ones to hold a milk crate to my bicycle, they snapped well within a month.

White ones were much stronger. But then again, the bike sees only a bit of sun when outside, the zip ties are on the bottom side of the bike, and the bike has never been outside of NH/ME (and we all know how little the sun comes out up here! Ha!).

Shawn Upton  
KB1CKT  
Pembroke NH

-----  
Date: Tue, 19 Sep 2000 07:45:17 -0500  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: ka0gkc@arrl.net, qrp-l@Lehigh.EDU  
Subject: [79861] Re: Line in/Line on Rigs for PSK31 etc.  
Message-ID: <3.0.2.32.20000919074517.007c35e0@mail.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Claton and PSK31 group,

My ThinkPad doesn't have a conventional SoundBlaster type interface (no RS-232 either). So I've used the mic input and earphone output on the laptop as my sound connections. These connect to the rigs earphone output and mic input. The rigs mic input is through the 40 dB resistive divider suggested in the DigiPan info.

For PTT I'm using a manual switch along with a transistor switch from a USB to RS232 adapter control circuit. I have my circuit drawn up and saved as a .BMP file (about 44k) if you'd like to see it. I've used it with a TS-430, IC706, and now with my new FT-847. I use the volume on the rig to control the receive audio and set the Laptop volume to a level that seems to work reliably.

Very little adjustment required and only the rig output volume to get a proper waterfall. Also, adjust the RF gain control to overcome AGC swamping at times too. This arrangement works for me and is the result of suggestions from folks here on the list and other list sources.

Chuck Carpenter, Point, Rains County, Texas -- EM22cv, RARA #003  
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

-----  
Date: Tue, 19 Sep 2000 07:48:37 -0500  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <ka0gkc@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [79862] Re: Line in/Line on Rigs for PSK31 etc.  
Message-ID: <008e01c02237\$f11b0780\$0100a8c0@dandooley>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Cla, I'm sure that the line level is going to vary somewhat between manufactures, but they may all be within a reasonably close range.

My Icom 706 lists the line IN (MOD) at approx 100 mv rms. Impedance is 10 K.

AF Detector output at 100 to 350 mv rms. At 4.7 K.

Those might be reasonable ranges to shoot for.

I've used two different sound cards for PSK31. One was a SoundBlaster 16 ISA. It had separate line and speaker outputs. In this particular case at least - according to the info I get from the manual, the difference is that the speaker outputs passed first through a built in amp. The manual states to use the line out if an external amp is to be used.

The current card is a SIIG SoundWave 128 PCI. It does not have a separate jack for speaker or line out, but there is a switch (jumpers) on the board for selection. Again, if the output is used as a speaker out, it is first amplified on board. Otherwise, it is not amplified. Unfortunately, unlike the old board, I have a choice of one or the other. Not both.

So the idea of parallel outputs is curious.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
e-mail to: dandooley@pipeline.com  
SOC #198, FPQRP # -104  
May Goddes love blest ye alle  
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "Cla KA0GKC" <ka0gkc@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, September 19, 2000 7:16 AM

Subject: Line in/Line on Rigs for PSK31 etc.

> Hi all,

>

> I have a TenTec Omni here and it doesn't have line level connections.

I've

> been using the patch connections but they just parallel the mic. and  
speaker

> jacks. I was thinking of rewiring these jacks to provide the line level

> outputs. To do this I'm going to have to tap the audio chain before the

> volume control and maybe put an attenuator in the patch in circuit or tap  
the

> mic. amp at the second stage.

>

> So to my question: What is line level supposed to be? Or should I just

> adjust the line levels so they work with my soundcard and the TenTec?

I've

> also noticed that my sound cards line out seems to be just a paralleled

> speaker jack. Has anyone else noticed this?

>

> ----

> 73 de KA0GKC Claton Cadmus

> ka0gkc@arrl.net

> MNQRP #1

> Minnesota QRP'ers we're looking for you!

> Email me or visit this page <http://www.qsl.net/mnqrp>

>

>

-----

Date: Tue, 19 Sep 2000 07:03:26 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Cla KA0GKC <ka0gkc@arrl.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [79863] Re: Line in/Line on Rigs for PSK31 etc.

Message-ID: <Pine.LNX.4.10.10009190657480.881-100000@cannac.ampr.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Cla, EVERY person using a sound card in a computer with any radio has an interface "box" with level controls and isolation from ground loops. The Omni must have dropped the ball with these. Yes, you want the audio out to be before the receive volume control, and the input to be higher level required and in front of any mike gain control.

Or you can just run the stuff into the mike input. It doesn't matter a whole lot...:-)

On Tue, 19 Sep 2000, Cla KA0GKC wrote:

> Hi all,  
>  
> I have a TenTec Omni here and it doesn't have line level connections. I've  
> been using the patch connections but they just parallel the mic. and speaker  
> jacks. I was thinking of rewiring these jacks to provide the line level  
> outputs. To do this I'm going to have to tap the audio chain before the  
> volume control and maybe put an attenuator in the patch in circuit or tap the  
> mic. amp at the second stage.  
>  
> So to my question: What is line level supposed to be? Or should I just  
> adjust the line levels so they work with my soundcard and the TenTec? I've  
> also noticed that my sound cards line out seems to be just a paralleled  
> speaker jack. Has anyone else noticed this?  
>  
> ----  
> 73 de KA0GKC Claton Cadmus  
> ka0gkc@arrl.net  
> MNQRP #1  
> Minnesota QRP'ers we're looking for you!  
> Email me or visit this page <http://www.qsl.net/mnqrp>  
>  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Tue, 19 Sep 2000 09:43:50 -0400  
From: ekwik@rtimail.com  
To: qrp-1@Lehigh.EDU

Subject: [79864] QRP Afield logs?  
Message-ID: <0F3E723E00.2DB027D0-0N8525695F.0049E80D@rtimail.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

OK one more time. What is the e-mail address for the QRP Afield scores/logs?

I did 42 QSO's. 20 was not that hot. Only one QSO on 15 and zero on 10. 40 was good late Saturday afternoon and early evening. I quit too early. Should have stayed on and got more western stations on 40 as the prop shifted west.

BTW. Tonight is the Michigan QRP Net. The net meets every Tuesday night at 9:00 pm Eastern time on 3.535 MHz. All check ins are welcome. NCS is AB8DF.

Ed AB8DF

-----  
Date: Tue, 19 Sep 2000 09:40:22 -0400  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: "Qrp1\_Submit (E-mail)" <qrp-1@Lehigh.EDU>, "Klqrp\_Submit (E-mail)" <klqrp@applegate.org>, "\_AAAA\_NOGA\_onlist (E-mail)" <nogaqrp@qth.net>  
Subject: [79865] MOD: GA Sierra operating on 6 Meters  
Message-ID: <058CBAE0931FD411B70E00805FCD5D423EBD9D@mailserver2.usan.com>  
MIME-Version: 1.0  
Content-Type: text/plain

The GA Sierra has been successfully operated on 6 meters with another local QRPer Jim AD4J at a distance of 12 miles. Pre-mix osc. 40.32 (3rd OT), final LP changed to ELP (copied from Kortege 2N2-6 circuit). All toriods T37-6 mix. Driver transistor changed to PN5179 and final transistor 2N3553. Power output 500mW. By MODing (padding varactor VF0) can pick the tuning range in the 50.0 to 50.4 area.

RX sensitivity as good as ICOM756 without RX pre-amp ON. Antenna folded dipole at 30 ft with 300ohm lead-in to HB BLT handbook tuner. SWR <1:2 to 1 between rig and tuner.

More info will be placed on my web page later but here's a quick look at my GA Sierra with NOGApig and AFA inside:

<http://ae4gx.home.mindspring.com/fieldready.jpg>

BTW NOTE to NORCAL and Wilderness Sierra users. This pre-mix xtal (40.32

mHz) only works for the GA Sierra since we use a 4.000 MHz IF. and a 5.8 to 6.0 MHz varactor VF0.

Sam Billingsley AE4GX Atlanta, GA  
personal web page at <http://ae4gx.home.mindspring.com/>  
North Georgia QRP Club web page at <http://www.qsl.net/nogaqrp/>

-----  
Date: Tue, 19 Sep 2000 09:04:01 -0500  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: SBillingsley@usaninc.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [79866] Re: MOD: GA Sierra operating on 6 Meters  
Message-ID: <3.0.2.32.20000919090401.007c3a20@mail.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Sounds good Sam,

There was a brief opening over your way this past Sunday morning. I worked a few CW stations on 50.096. Several more SSB above 50.125.

Look for propagation from 1600 to 2200 UTC or so possible across the equator.

How about working on a 20 to 6 meter transverter for the K1 8^)?...

I'd buy a kit for that...

Or my NW-20 for that matter.

Chuck Carpenter, Point, Rains County, Texas -- EM22cv, RARA #003  
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

-----  
Date: Tue, 19 Sep 2000 10:37:29 -0400  
From: Bill Coleman AA4LR <aa4lr@radio.org>  
To: <sslyon@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [79867] Re: PARALLEL & COAX FEED, MATCHING SECTIONS...



Message-ID: <1000819103729.KAA20570@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 9/18/00 7:15 PM, S LYON at sslyon@worldnet.att.net wrote:

>Good point Bob. also, PARALLELLED coax can be a great way just to get  
>into the house where metal precludes ladderline, etc.

While paralleled coax does make ingress into a building easier, it  
doesn't have the key benefit of using open wire -- dramatically less loss.

Using paralleled coax has just as much loss as ordinary coax. You also  
have the problem of running complex impedances on the line, which could  
cause arcing if you happened to have a voltage node in the coax run. (Of  
course for QRP, it isn't a problem -- but loss is)

I prefer to run coax to the exterior of the building, then use a remote  
balun to open wire. I use only solid dielectric coax in this service --  
the losses are slightly higher, but the voltage breakdown is much, much  
higher as well. I also keep the coax run as short as possible.

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@radio.org  
Quote: "Boot, you transistorized tormentor! Boot!"  
      -- Archibald Asparagus, VeggieTales

-----  
Date: Tue, 19 Sep 2000 10:59:50 -0400  
From: "Ron Polityka" <wb3aal@fast.net>  
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>  
Subject: [79868] WA3WSJ & N2CQ  
Message-ID: <003101c0224a\$433142c0\$2f0f5cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,

I can hear people talking to Ed, WA3WSJ & Ken, N2CQ,  
on 40 meters but I can't hear Ed or Ken.

Has anyone talk to them and are they on the Appalachian Trail?

72 & 73  
Good DXing

Ron Polityka  
de WB3AAL  
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv  
<http://www.n3epa.org>  
Eastern Pennsylvania QRP Club Call  
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

-----  
Date: Tue, 19 Sep 2000 11:46:46 -0700  
From: "Dave Benson" <nn1g@earthlink.net>  
To: <ekwik@rtimail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [79869] Re: QRP Afield logs?  
Message-ID: <000401c0226a\$1941e300\$c39b2a3f@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ed and gang-

Summaries go to me, <nn1g@earthlink.net>. I need your QS0 total and location, as well as home/portable or /P category. If you were a milliwatt operation, or had extra operators, let me know that and it goes into the compilation as well. I'll put up a preliminary results summary within a day or two and a final tally in about 30 days.

Thanks to all who participated. It's clear from the 'soapbox' that folks had a great time as usual, and we'll do it again next year for sure!

And a reminder- if you enjoyed a great backpacking adventure for this event, please consider sharing your story with us via the Adventure Radio Society's on-line journal. That's what they're there for, and they welcome good articles. They're at <http://natworld.com/ars/>

73- Dave, NN1G

-----Original Message-----

From: ekwik@rtimail.com <ekwik@rtimail.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Tuesday, September 19, 2000 6:47 AM  
Subject: QRP Afield logs?

>OK one more time. What is the e-mail address for the QRP Afield  
>scores/logs?  
>  
>I did 42 QSO's. 20 was not that hot. Only one QSO on 15 and zero on 10.  
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>Should have stayed on and got more western stations on 40 as the prop  
>shifted west.  
>  
>BTW. Tonight is the Michigan QRP Net. The net meets every Tuesday night  
>at 9:00 pm Eastern time on 3.535 MHz. All check ins are welcome. NCS is  
>AB8DF.  
>  
>Ed AB8DF  
>  
>

-----  
Date: Tue, 19 Sep 2000 15:52:11 GMT  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: wb3gck@yahoo.com, qrp-1@Lehigh.EDU  
Subject: [79870] Re: Poly Cap Shaft Hardware  
Message-ID: <F87t0eGrAmwkYrtHNRR00013bd5@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>  
>Does anyone know of a good mail order source for the  
>M2.5 x 0.45 x 16mm metric pan head screws used in the  
>BLT tuner kit for putting shafts on the variable caps?  
>  
>I'm also looking for the nylon spacers (1/4" OD, 1/5"  
>long) that are used with the above screws.

Maplin Electronics in the UK (<http://www.maplin.co.uk>) stocks the screws.  
Their capacitors come with a little 1/4" dia. extension.

73, Leon

--

Leon Heller, G1HSM

Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221

InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,  
NN12 6AD, United Kingdom.

Email:leon\_heller@hotmail.com

Web page: <http://www.geocities.com/SiliconValley/Code/1835>

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Share information about yourself, create your own public profile at  
<http://profiles.msn.com>.

-----

Date: Tue, 19 Sep 2000 11:52:00 -0700  
From: "Dave Benson" <nn1g@earthlink.net>  
To: <ekwik@rtimail.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [79871] Re: QRP Afield logs?  
Message-ID: <000901c0226a\$b29a2c60\$c39b2a3f@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ed and gang-

Summaries go to me, <nn1g@earthlink.net>. I need your QSO total and location, as well as home/portable or /P category. If you were a milliwatt operation, or had extra operators, let me know that and it goes into the compilation as well. I'll put up a preliminary results summary within a day or two and a final tally in about 30 days.

Thanks to all who participated. It's clear from the 'soapbox' that folks had a great time as usual, and we'll do it again next year for sure!

And a reminder- if you enjoyed a great backpacking/radio adventure this past

weekend,  
please consider sharing your story with us via the Adventure Radio Society's  
on-line journal, the 'ARS Sojourner'. That's what they're there for, and  
they welcome good  
articles. Check 'em out at <http://natworld.com/ars/>

73- Dave, NN1G

>-----Original Message-----

>From: ekwik@rtimail.com <ekwik@rtimail.com>

>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

..

>OK one more time. What is the e-mail address for the QRP Afield

>scores/logs?

-----  
Date: Tue, 19 Sep 2000 10:02:28 -0600

From: "Bruce Kizerian" <kizerian@ced.utah.edu>

To: <wb3gck@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [79872] Re: Poly Cap Shaft Hardware

Message-ID: <014201c02253\$034a3a00\$de56d9d8@sarcos.com>

McMaster-Carr Supply Co. at <http://www.mcmaster.com/>. They have all the  
stuff you want, but you'll have to buy a box of 100. That isn't as bad as it  
sounds. Eagle Hardware (now Lowes) wants about \$.35 for each screw!

If you only need a few of the metric screws, send me your address and I'll  
send them to you.

Bruce kk7zz

-----  
Date: Tue, 19 Sep 2000 12:28:06 -0400

From: John Meade <john.meade@smc.com>

To: qrp-l@Lehigh.EDU

Subject: [79873] Current Drawn By A Few Things In My Shack

Message-ID: <39C79416.1D05E7E6@smc.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

A while ago, I measured the current drawn by a few things in my shack.

(I was surprised at the Sony readings but didn't follow up. There must have been some kind of problem when I took the measurement, or maybe the current drops off eventually. But, then again, batteries don't last all that long in those pieces of equipment).

#### 12.6Volts

OHR400 (receive) = 250mA  
OHR400 (xmit - 80m - full power ~7W output) = 1.06A  
NE40/40 (receive) = 23mA  
NE40/40 (xmit ~1W output) = 250mA  
TenTec Kits all-band DC rcvr = 56mA  
Triton 4 (receive) = 380mA  
Triton 4 (receive - panel lamps removed) = 320mA  
Triton 4 (receive w/digital display on) = 680mA  
Triton 4 (xmit - no power out) = 830mA

#### 9Volts

Autek RF-1 analyzer = 44mA  
Radio Shack transistor radio = 12mA

#### 6Volts

Kenwood R11 shortwave portable = 30mA  
Sony ICF-7600G shortwave portable = 11mA (OFF!), 80mA to 100mA peak (on).  
Cheap (\$10) amplified speaker pair = 24mA (80mA to 100mA peak).

#### 4.5V

Sony D121 discman portable CD player = 12mA (OFF!), 200mA play, 400mA search.

72,

John W2XS

-----

Date: Tue, 19 Sep 2000 12:31:29 EDT  
From: NB6M@aol.com  
To: emtech@steadynet.com  
Cc: qrp-l@lehigh.edu  
Subject: [79874] Re: QRP Pacificon Business cards  
Message-ID: <12.26eedfc.26f8eee1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Scott,

I am running IE version 5.0, and the printer is a Canon BJC-2000, With the left and right margins set at default (0.277"), the cards all printed on one sheet, looking good, but measured 3 7/8" by 2". I reset the margins to .75" (left and right) and the cards now measure 3 3/8" by 2". So, by fiddling with the left and right margins I can get it to 3.5 by 2 exactly, if I want.

I like the N0rcal Logo where it is, and do not want the option to print in color.

Thanks and best 72

Wayne NB6M

-----  
Date: Tue, 19 Sep 2000 09:32:34 -0700  
From: Mike Gipe <mgipe@reliablemeters.com>  
To: "QRP-L list (E-mail)" <qrp-l@Lehigh.edu>  
Subject: [79875] QRP Afield pics up  
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928EF7C@mission>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Pictures are up at <http://www.qsl.net/k1mg>

-----  
Date: Tue, 19 Sep 2000 11:20:39 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [79876] FOX - Winter Hunt Teams -  
Message-ID: <Pine.LNX.3.95.1000919111305.28446A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

....11 Teams so far.....come and join the fun!

The Raiders of the Lost RF -  
Mary - NA6E  
Fred - VE3FAL  
Rob - VE6JAZ  
Earl - VA6RF - #1076  
Bruce- VE5RC - #88

The Big Dawgs -  
N1FN - ET  
N5TW - Tom  
WJ1R - Larry  
NW7DX- Ben  
N6WG - Bob

The ScQRPions -  
Floyd - NQ7X  
Brian - K7RE  
Conard- WS4S  
Chuck - K7QO  
Bob - NK7M

The Cheeseheads -  
Brian - AE9K  
Jerry - N9AW  
Rick - NK9G  
Lou - W9XU  
Jim - WA9TZE

The New England Hunt Club -  
Aron - N1ODL - #1326  
John - K1JD - #1945  
Jim - KC1FB - #29  
Joel - K1QM - #337  
John - KB1ENS - #2150

The Buffalo Wings -  
Mark - K2QO - #314  
Dave - AA2PF - #301  
Howard- K2UD - #1535  
Bob - K2VNM - #735  
Scott - AC3A -

The Flying Pigs#2 -  
Andy - N8MX  
Kent - KB9VZS  
Ron - N8VAR  
Kenn - KM7KEN - #2254  
Andrew - AC7CF - #2180

The Flying Pigs #1 -  
Diz - W8DIZ  
Rick - WB6JBM  
Dan - N8IE  
Brian- KB9BVN  
Dave - KB5MHS - #2176

The Houston Hounds -  
Bill - K5ZTY  
Bill - W5SB  
Terry- KQ5U  
Dan - KK5LD  
Danny- WA5OJE

The Swamp Rats -  
Paul - AJ4Y  
Mac - AF4PS - #704  
Pete - NV4V  
Fred - W2XN  
Tom - N1TP - #1317

The Bayou City Brass Pounders -  
George - K5VUU - #1343  
Bob - N5ET - #123  
Henry - W5HNS - #178  
OJ - K10J - #732  
Bruce - N1LN - #2049

....still accepting Teams of 5 members each up until the day before the first hunt....please e-mail me direct....and of course let me know of any corrections I need to apply...thank you...72 - Bruce(VE5RC+VE5QRP)



-----  
Date: Tue, 19 Sep 2000 13:33:32 EDT  
From: Shepherd@aol.com  
To: <qrp-1@lehigh.edu>  
Subject: [79877] OT: Bacon Bits News Letter  
Message-ID: <ca.a5a3418.26f8fd6d@aol.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

The deadline for submissions is Friday, September 29.  
If you have any stories, projects, ect. to share, please pass them to me at:  
n8ie@aol.com

72, oo  
Dan, N8IE  
FPqrp #-6

-----  
Date: Wed, 20 Sep 2000 00:03:06 +0700  
From: "Donny Sirait" <dsirait@centrin.net.id>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [79878] Duplicate QRPP to donate?  
Message-ID: <003101c02262\$603688e0\$66ee92ca@donnysirait>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Dear folks,

If some of you who recieve duplicate QRPP would  
like to pass to some else the excess copy, please  
consider me on your list.

Thank you for reading.

vy 73 de YB1B0D  
Donny Sirait  
Bekasi Indonesia

-----  
Date: Tue, 19 Sep 2000 10:12:09 -0400  
From: Bob Kellogg <ae4ic@nr.infi.net>  
To: KLQRP Reflector <klqrp@applegate.org>, Low Power Amateur Radio Discussion  
<qrp-1@Lehigh.EDU>  
Subject: [79879] Resonance (?)  
Message-ID: <39C77439.28A9F384@nr.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Guys,

How in the heck can we be sure that a resonant circuit is resonant,  
and at what frequency?

Over the years, on many occasions I've fooled around with circuits  
that were supposed to be resonant. Rarely, I've been able to come to  
some sort of a conclusion about such a circuit. I've tried Grid Dip  
oscillators, home-brew and Heath. I have all kinds of good equipment  
ranging from DDMs to Signal Generators to Frequency Counters to Scopes  
to antenna analyzers. Still, most often my tests have resulted in  
uncertainty.

Most recently, I've been trying to design a trap dipole, attempting to  
determine the resonant frequency of the traps. I can get all kinds of  
frequencies from the same trap. Which one is right?

I can measure voltage, current, resistance, frequency, capacitance and  
inductance with reasonable accuracy. Why can't I measure resonance??

I'd like to be able to pick up a coil and a capacitor, join them in  
parallel or series, then put them to an instrument or circuit that  
says, "this combination is resonant at XXXXX frequency." Is that too  
much to ask?

Maybe I'm looking for a Dead On, Bang Up, Knock 'em Dead, Sure Fire,  
Right Between the Eyes, Killer circuit that doesn't exist.

How about a discussion on this subject? There must be some subtleties  
that I'm overlooking.

--

73,  
Bob Kellogg, AE4IC, Greensboro, NC  
Prolobly, not nececelery. - Benny Hill

-----  
Date: Tue, 19 Sep 2000 13:56:00 -0400  
From: w2xn@juno.com  
To: ratttray@gpfn.sk.ca  
Cc: qrp-1@Lehigh.EDU  
Subject: [79880] Re: FOX - Winter Hunt Teams -  
Message-ID: <20000919.135623.-3669501.3.w2xn@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bruce put #1728 behind my name.

> The Swamp Rats -  
> Paul - AJ4Y  
> Mac - AF4PS - #704  
> Pete - NV4V  
> Fred - W2XN  
> Tom - N1TP - #1317

Fred W2XN w2xn@arrl.net  
Lakeland, FL  
ARRL, ARES, Skywarn #POL-007, VE  
QRP: AR #233, QRP-L #1728, NJ #197, Zombie #709, FP #126

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 19 Sep 2000 14:04:22 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <ae4ic@nr.infi.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [79881] Re: Resonance (?)  
Message-ID: <01f901c02264\$0e167280\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well, I suppose you could disconnect the coil and the cap in your

trap and measure each one. Then solve the equation for the reactance of the two being equal, and that should be resonance when you put it back together. But there's always other stuff 'hanging around' in there...

With grid dip meters I'd like to say I know how to use them. I know the theory, but I also know from practice they MUST be interacting with what I'm testing. I suppose the trick is to keep the interaction to a minimum, look for the dip, and then see what it is.... But in practice I seem to also not have that much luck. I have two GD meters here, and would LOVE to see a real 'hands on' demo of how to use them so that I could get the 'feel' for their correct operation. I really don't think the theory is wrong. It's gotta be that  
I just don't have the 'feel'. Or the knack.

Back to traps... There IS a fairly close bang up way. Just sweep a signal through the trap and measure the output. But then, that might be more difficult to set up 'correctly' than using the dip meter.

Mike

> Over the years, on many occasions I've fooled around with circuits  
> that were supposed to be resonant. Rarely, I've been able to come to  
> some sort of a conclusion about such a circuit. I've tried Grid Dip  
> oscillators, home-brew and Heath. I have all kinds of good equipment  
> ranging from DDMs to Signal Generators to Frequency Counters to Scopes  
> to antenna analyzers. Still, most often my tests have resulted in  
> uncertainty.  
>  
> Most recently, I've been trying to design a trap dipole, attempting to  
> determine the resonant frequency of the traps. I can get all kinds of  
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>  
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> Maybe I'm looking for a Dead On, Bang Up, Knock 'em Dead, Sure Fire,  
> Right Between the Eyes, Killer circuit that doesn't exist.  
>  
> How about a discussion on this subject? There must be some subtleties  
> that I'm overlooking.  
>

> --  
> 73,  
> Bob Kellogg, AE4IC, Greensboro, NC  
> Prolobly, not nececelery. - Benny Hill

-----  
Date: Tue, 19 Sep 2000 11:09:55 -0700 (PDT)  
From: Philip Karras <ke3fl@yahoo.com>  
To: qrp-l@lehigh.edu  
Subject: [79882] Audio Modem Filter Coeffs, NOT RF QRP!  
Message-ID: <20000919180955.1071.qmail@web2202.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

OK, Don't send me mail saying this is the wrong place to send this, I disagree! The membership here is more knowledgeable than anywhere else I know & someone here will point me in the right direction.

I'm doing some consulting to HNS on a project that uses a Rockwell International modem chip. The manual has information on which coeffs to use for frequencies such as, 1800, 2250, and 2100 Hz, etc. We are trying to make the modem respond to a dual tone pair of: 2260 Hz and 2868 Hz.

I guess we could design it around a center frequency of 2564 with a bandwidth of 600 Hz, +-300 Hz or so.

No one here seems to know or remember how to compute the coefficients needed for these "Biquad" filters. For 1800 Hz there are two Biquad filters and the coeffs come out to be:

A3	A2	A1	B1	B2	
0372	FEA6	0372	C063	30D6	Biquad 1
00C4	FFDA	00C4	C063	30D6	Biquad 2

The instructions say that to do the design one could use "FILSYN" with the passband freqs, the filter order (up to 4th), the filter gain (use unity), and the sampling rate (9600Hz) as inputs.

(I assume FILSYN is a FILter design program?)

Then one needs to divide by 2 so that no coeff is > 1, and then one needs to do a "fractional 2s complement."

Next, there seems to be something about THRESHU and THRESHL values for the detector thresholds?

Last there also seems to be a value for the bandwidth, this I'm not real sure of but the values I found in the program for 1800 are:

	A3	A2	A1	B1	B2 ?
12288,	0x0077,	0xff12,	0x0077,	0xc08b,	0x3147,
	0x0077,	0x00ef,	0x0077,	0xc08b,	0x3047,

(Above should be aligned such that the first 0x0077 values should line up under "A3")

(I think the first value "12288" has something to do with bandwidth, anyone know?)

So, I have two questions:

1. How do I compute the coefficients?
2. Why are the numbers HNS is using different from those in the Rockwell manual and how do I "convert" to the numbers HNS needs?

If anyone can refresh my memory about fractional 2s complement I'd appreciate that as well.

Thanks for any assistance you can offer.

72 & 73 de KE3FL  
Philip Karras  
ke3fl@yahoo.com

=====

Phil Karras, KE3FL  
ke3fl@arrl.net  
Alt: ke3fl@juno.com  
Web: <http://www.qsl.net/ke3fl>

-----  
Do You Yahoo!?

Send instant messages & get email alerts with Yahoo! Messenger.  
<http://im.yahoo.com/>

-----  
Date: Tue, 19 Sep 2000 14:16:11 -0400  
From: "John Paul Keon" <jpkeon@worldnet.att.net>  
To: <njqrp@njqrp.org>, ". QRP-L" <qrp-l@Lehigh.EDU>  
Cc: "Appalachian Trail Award" <atrail-l@Lehigh.EDU>, "klqrp" <klqrp@applegate.org>  
Subject: [79883] Re: [NJQRP] WA3WSJ & N2CQ  
Message-ID: <001e01c02265\$b18fb380\$66a36520@lynn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

P.S.

I worked him 3 watts and he gave me a 559, he was 339 to 449 and there was a terrible humm (localized) in my reception.....  
So GL to all on your endeavors...  
and now back to work.

John Paul (jpkeon@att.net)  
Raleigh, NC

----- Original Message -----

From: "Ron Polityka" <wb3aal@fast.net>  
To: ". QRP-L" <qrp-l@Lehigh.EDU>; ". NJ QRP-L" <njqrp@njqrp.org>  
Sent: Tuesday, September 19, 2000 10:59 AM  
Subject: [NJQRP] WA3WSJ & N2CQ

> Hello,  
>  
> I can hear people talking to Ed, WA3WSJ & Ken, N2CQ,  
> on 40 meters but I can't hear Ed or Ken.  
>  
> Has anyone talk to them and are they on the Appalachian Trail?  
>  
> 72 & 73  
> Good DXing  
>  
> Ron Polityka  
> de WB3AAL  
> wb3aal@fast.net  
>  
> vvv Eastern Pennsylvania QRP Web Page vvv  
>               http://www.n3epa.org  
> Eastern Pennsylvania QRP Club Call  
> N3EPA     E-mail address: n3epa@fast.net  
>

> EPA QRP #1                      ARRL Life Member  
> KL7 QRP # 309                    G-QRP # 3031  
> ARCI QRP # 5318                10 - X #13173  
> NorCal                            Zombie #625  
> ARS # 380                        HI QRP #153  
> VA QRP Society #45            MI QRP #1703  
> K2 sn1392                        NJ QRP #179  
>  
> ===== NJ QRP Club Mailing List =====  
> To unsubscribe from this list, send email to listserver@applegate.org  
> and put the text "unsubscribe njqrp" in the message. To post a  
> message to the list, send email to njqrp@njqrp.org.

-----  
Date: Tue, 19 Sep 2000 13:55:28 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: na5n@rt66.com  
Cc: qrp-1@lehigh.edu  
Subject: [79884] Re: Storms during QRP Afield  
Message-ID: <200009191831.0AA13628@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

> conditions on the bands, especially tonight on 40M ... but may also  
> trigger enhanced auroral activity all over Canada and into the northern  
> states.

I thought I saw some glimmering in the sky last night when I got home  
about 8 pm. I went out to check again latter, but some clouds moved  
in. Seems the best way to ensure a solar storm is to schedule a "to  
the field" event !

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Tue, 19 Sep 2000 13:40:02 -0500  
From: "Cla KA0GKC" <ka0gkc@arrl.net>  
To: <ae4ic@nr.infi.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [79885] Re: Resonance (?)  
Message-ID: <077e01c02269\$08c96260\$0200000a@mcg.net>

Hi Bob,



| How in the heck can we be sure that a resonant circuit is resonant,  
| and at what frequency?  
|  
| I'd like to be able to pick up a coil and a capacitor, join them in  
| parallel or series, then put them to an instrument or circuit that  
| says, "this combination is resonant at XXXXX frequency." Is that too  
| much to ask?

How about an oscillator circuit maybe even followed by a buffer and a frequency counter. You could breadboard up the circuit but you would need to know "about" the frequency it should be to pick some of the oscillator components.

Or use your signal generator and measure the peak voltage across the circuit with an RF probe or scope. At peak that would be resonance. You could also then replace the tank circuit with a pot and adjust the pot to the same peak reading, disconnect the pot and read the resistance. This should be equal to the reactance of the tank circuit. (I think anyway!)

Oh well food for thought.

73 de Cla KA0GKC

-----  
Date: Tue, 19 Sep 2000 14:48:46 -0400  
From: w2xn@juno.com  
To: qrp-1@lehigh.edu  
Subject: [79886] Homemade Antenna  
Message-ID: <20000919.144847.-771585.2.w2xn@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Not too long ago, someone wrote that they built a coil wound antenna for indoor use that resembled the old "pole lamps" (floor to ceiling). They said that they were not sorry that they moved into a "no antenna" condo after this antenna.

I can't find that note and would like to get back to it.

Anyone remember where it is, or maybe still have it on their computer?

Thanks,

Fred W2XN     w2xn@arrl.net  
Lakeland, FL  
ARRL, ARES, Skywarn #POL-007, VE  
QRP: AR #233, QRP-L #1728, NJ #197, Zombie #709, FP #126

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 18 Sep 2000 20:05:51 -0500  
From: Robert McAtee <w5tnj@camalott.com>  
To: qrp-1@Lehigh.EDU  
Subject: [79887] Joy in Yankee country  
Message-ID: <3.0.3.32.20000918200551.007c52a0@mail.camalott.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

George you need some book learning. Haven't you ever used a sub-monic crystal? Also the Cajun was probably using a nega-hertz antenna. Check into the "yougottabekidding.com" net and get updated..... ==Mac== AG5F, Abilene, TX.

George w5yr wrote:  
I have long admired your skills, especially with antennas, Joel, but how in the #\$%^& did you check into the 3905 century club net on 40 meters??

-----  
Date: Tue, 19 Sep 2000 15:07:44 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <ka0gkc@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [79888] Re: Resonance (?)  
Message-ID: <023501c0226c\$e92b1120\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> How about an oscillator circuit maybe even followed by a buffer and a  
> frequency counter. You could breadboard up the circuit but you would  
need to  
> know "about" the frequency it should be to pick some of the oscillator

> components.

That brings to mind something I did a while back. I had picked up some 6 channel CB sets that were 'dumpstered' when the 40 channel stuff came out. Stores HAD to unload them by a certain date, or they were to be destroyed. On the last day, I paid I think \$5 for a box of 'junk' that had a number of CB sets in it from RS, including some of these 6-channel CB sets.

Anyway, I was playing around with some LC stuff, and had a series LC circuit, and I just plugged it in to a crystal socket. It worked. Well, not stable at all, but stable enough to tell me the resonance of that LC circuit.

Mike

-----  
Date: Tue, 19 Sep 2000 15:09:30 -0400  
From: "Ed Nelson" <edxnelson@home.com>  
To: <njqrp@njqrp.org>, ". QRP-L" <qrp-l@Lehigh.EDU>  
Cc: "Appalachian Trail Award" <atrail-l@Lehigh.EDU>, "klqrp" <klqrp@applegate.org>  
Subject: [79889] Re: [NJQRP] WA3WSJ & N2CQ  
Message-ID: <01ee01c0226d\$23ab9180\$2c490b18@prntn1.nj.home.com>

I too just worked Ken. He was 559 nr Trenton, NJ  
Ed W4EN

----- Original Message -----  
From: John Paul Keon <jpkeon@worldnet.att.net>  
To: <njqrp@njqrp.org>; . QRP-L <qrp-l@Lehigh.EDU>  
Cc: Appalachian Trail Award <atrail-l@Lehigh.EDU>; klqrp  
<klqrp@applegate.org>  
Sent: Tuesday, September 19, 2000 2:16 PM  
Subject: Re: [NJQRP] WA3WSJ & N2CQ

> P.S.

> I worked him 3 watts and he gave me a 559, he was 339 to 449 and there was  
a

> terrible humm (localized) in my

> reception.....

> So GL to all on your endeavors...

> and now back to work.  
>  
> John Paul (jpkeon@att.net)  
> Raleigh, NC  
> ----- Original Message -----  
> From: "Ron Polityka" <wb3aal@fast.net>  
> To: ". QRP-L" <qrp-l@Lehigh.EDU>; ". NJ QRP-L" <njqrp@njqrp.org>  
> Sent: Tuesday, September 19, 2000 10:59 AM  
> Subject: [NJQRP] WA3WSJ & N2CQ  
>  
>  
> > Hello,  
> >  
> > I can hear people talking to Ed, WA3WSJ & Ken, N2CQ,  
> > on 40 meters but I can't hear Ed or Ken.  
> >  
> > Has anyone talk to them and are they on the Appalachian Trail?  
> >  
> > 72 & 73  
> > Good DXing  
> >  
> > Ron Polityka  
> > de WB3AAL  
> > wb3aal@fast.net  
> >  
> > vvv Eastern Pennsylvania QRP Web Page vvv  
> > <http://www.n3epa.org>  
> > Eastern Pennsylvania QRP Club Call  
> > N3EPA E-mail address: n3epa@fast.net  
> >  
> > EPA QRP #1 ARRL Life Member  
> > KL7 QRP # 309 G-QRP # 3031  
> > ARCI QRP # 5318 10 - X #13173  
> > NorCal Zombie #625  
> > ARS # 380 HI QRP #153  
> > VA QRP Society #45 MI QRP #1703  
> > K2 sn1392 NJ QRP #179  
> >  
> > ===== NJ QRP Club Mailing List =====  
> > To unsubscribe from this list, send email to listserver@applegate.org  
> > and put the text "unsubscribe njqrp" in the message. To post a  
> > message to the list, send email to njqrp@njqrp.org.  
>  
> ===== NJ QRP Club Mailing List =====  
> To unsubscribe from this list, send email to listserver@applegate.org  
> and put the text "unsubscribe njqrp" in the message. To post a  
> message to the list, send email to njqrp@njqrp.org.  
>

-----  
Date: Tue, 19 Sep 2000 15:01:47 -0400  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: Bob Kellogg <ae4ic@nr.infi.net>, KLQRP Reflector <klqrp@applegate.org>, Low  
Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [79890] RE: Resonance (?)  
Message-ID: <058CBAE0931FD411B70E00805FCD5D423EBFC2@mailserver2.usan.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Bob I put the inductor and cap in series and put a 50 ohm resistor on one  
end and my MFJ SWR analyzer on the other end

Ground-----Mfj SWR Analyzer-----inductor-----cap-----50ohm  
resistor-----ground.

So the case of the MFJ (outer coax connector) and one end of the resistor  
are connected at together (it doesn't actually have to be grounded).

I then sweep my MFJ through the freq range and note the minimum SWR point  
(it may not be 1:1 but whatever is minimum.) The is a very noticable dip.

You can then read the freq. right off the Analyzer display. This works for  
the other analyzers too. I have a Autek RF-1 and it the same process.

I used this method on all my Sierra toriods I had to wind. Works great.

Sam AE4GX

>>>>>snip>>>>>

> I'd like to be able to pick up a coil and a capacitor, join them in  
> parallel or series, then put them to an instrument or circuit that  
> says, "this combination is resonant at XXXXX frequency." Is that too  
> much to ask?

>

>>>>>snip>>>>>

> --

> 73,

> Bob Kellogg, AE4IC, Greensboro, NC

>

-----

Date: Tue, 19 Sep 2000 15:09:42 -0400  
From: "Randy Hargenrader" <randyh@harksystems.com>  
To: "Bob Kellogg" <ae4ic@nr.infi.net>, "KLQRP Reflector" <klqrp@applegate.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [79891] Re: [KLQRP] Resonance (?)  
Message-ID: <001a01c0226d\$2a940fe0\$c85f3cd0@randy.hark>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Bob,

I know what you mean. As far as traps for antenna's go, I've had similar questions. Of course, once you have it all set up perfectly on the bench, connecting it to a circuit or in the case of antenna, the wire, you influence the resonance. So, perhaps in a practical sense, close is good in horse-shoes and traps?

Of course, you can determine resonance with formulas and tables, with a great deal of accuracy. Light coupling to your traps with a GDO can indicate that they are resonant somewhere in the band. (I've never had a GDO that was very accurate, but I've only had two and I rarely used them, anyway.)

Well, that wasnt a lot of help now, was it? hi!

72,

Randy WJ4P

-----Original Message-----

From: Bob Kellogg <ae4ic@nr.infi.net>  
To: KLQRP Reflector <klqrp@applegate.org>; Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Tuesday, September 19, 2000 1:49 PM  
Subject: [KLQRP] Resonance (?)

>Guys,

>

>How in the heck can we be sure that a resonant circuit is resonant,  
>and at what frequency?

>

>Over the years, on many occasions I've fooled around with circuits  
>that were supposed to be resonant. Rarely, I've been able to come to  
>some sort of a conclusion about such a circuit. I've tried Grid Dip  
>oscillators, home-brew and Heath. I have all kinds of good equipment

>ranging from DDMs to Signal Generators to Frequency Counters to  
 Scopes  
 >to antenna analyzers. Still, most often my tests have resulted in  
 >uncertainty.  
 >  
 >Most recently, I've been trying to design a trap dipole, attempting  
 to  
 >determine the resonant frequency of the traps. I can get all kinds  
 of  
 >frequencies from the same trap. Which one is right?  
 >  
 >I can measure voltage, current, resistance, frequency, capacitance  
 and  
 >inductance with reasonable accuracy. Why can't I measure resonance??  
 >  
 >I'd like to be able to pick up a coil and a capacitor, join them in  
 >parallel or series, then put them to an instrument or circuit that  
 >says, "this combination is resonant at XXXXX frequency." Is that too  
 >much to ask?  
 >  
 >Maybe I'm looking for a Dead On, Bang Up, Knock 'em Dead, Sure Fire,  
 >Right Between the Eyes, Killer circuit that doesn't exist.  
 >  
 >How about a discussion on this subject? There must be some  
 subtleties  
 >that I'm overlooking.  
 >  
 >--  
 >73,  
 >Bob Kellogg, AE4IC, Greensboro, NC  
 >Prolobly, not nececelery. - Benny Hill  
 >  
 >  
 >===== KL QRP Club Mailing List =====  
 >To unsubscribe from this list, send email to  
 listserver@knightlites.org  
 >and put the text "unsubscribe klqrp" in the message. To post a  
 >message to the list, send email to klqrp@knightlites.org.

-----  
 Date: Tue, 19 Sep 2000 12:54:12 -0700  
 From: Jeff Grudin <grudin@vdbbs.com>  
 To: qrp-l@lehigh.edu  
 Subject: [79892] Second Call for SLPV Coil Parts  
 Message-ID: <39C7C464.40B9FBD4@vdbbs.com>  
 MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well we haven't made the fifty needed yet. We do have about 20 sold.

A reminder:

The latest issue of QRPp has an article about the Saint Louis Pocket verticle antenna. It is a very portable/backpackable vertical antenna that operates 10-40 Meters. It breaks down into 18 inch sections. It uses an air coil to tune. This coil would be usefull for this project as well as many other amatuer related projects.

To make the coil you need these you need a special 12 3/4 inch grommet material. I found this available in lots of 50 through Newark. I am offering to buy the 50 and sell them off at \$1.40 or actual cost plus actual cost for shipping. The final price to be determined if I can find enough interest.

Any new takers?

--

73 de AC6KW                      <mailto:grudin@vdbs.com>  
Jeff Grudin, DVM                Web Add: <http://www.vdbs.com/~grudin>  
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California  
Norcal QRP #1292                QRP-L #16                ARS #351                AR Qrp #131

-----

Date: Tue, 19 Sep 2000 15:41:49 US/Eastern  
From: n2cx@voicenet.com  
To: ae4ic@nr.infi.net  
Cc: qrp-l@lehigh.edu, n2cx@voicenet.com  
Subject: [79893] Re: Resonance (?)  
Message-ID: <200009191941.PAA217652@nss4.cc.lehigh.edu>

Bob,

Good question!

Most of the ways that seem simple actually are difficult to do with any accuracy. As Mike Y pointed out, measurement circuits tend to interact with what you're measuring. Hmmm didn't some guy named Heisenberg say something about that?

For paralled tuned circuits, W7ZOI suggested an excellent method in an article on filters.

For it you need a calibrated (frequeuncy) signal generator, a sensitive RF



detector,  
and a couple of 1 pf capacitors.

The details are tough to get across here but the setup looks like

```
SIG  ----- 1 pf cap-----L -- C-----1 pf cap -----RF
GEN                                L  C
Detector

                                L  C
                                GND
```

The sig gen is tuned until you get a peak reading on the rf detector. And if you note the points on either side where the RF reading is 70.7 % down from the peak you can get the Q as well.

If you are careful to isolate the tuned circuit from coupling to the rest of the world the main error you get is about 1/2 pf in parallel with the desired tuned circuit.

The RF gen could be a simple one with uncalibrated levels or you could use an MFJ antenna analyzer or Autek RF Analyst as a signal source.

The 1 pf caps could be actual capacitors or "gimmicks" made of short pieces of wire twisted together. If I'm not mistaken, SM0VPO has info on gimmicks on his web page. I cannot check it here at work since some censoring software prevents me from pulling it up. (Does SM0VPO sound like a porno site?)

In a pinch you could use a general coverage receiver and its S-meter as an RF detector.

Another thought is to use a noise gen like the one the AZ SqRPions are selling or a noise bridge as the signal source in the above setup and your receiver as an RF detector. You tune the receiver for max noise!

A dip meter can also be used effectively - once you know how to do it. That's not an easy skill to train via the web!

And I have yet another method that I have to check out before suggesting it.

Good luck and please let us know how you make out.

72/73,

Joe E., N2CX

You queried:

>Guys,

>  
>How in the heck can we be sure that a resonant circuit is resonant,  
>and at what frequency?  
>

<SNIP>

-----  
This message was sent using Voicenet WebMail.  
<http://www.voicenet.com/webmail/>

-----  
Date: Tue, 19 Sep 2000 15:55:15 US/Eastern  
From: n2cx@voicenet.com  
To: ae4ic@nr.infi.net  
Cc: qrp-1@lehigh.edu, n2cx@voicenet.com  
Subject: [79894] Re: Resonance (?)  
Message-ID: <200009191955.PAA18542@nss4.cc.lehigh.edu>

Bob,

Well that didn't turn out too good. The text picture came out screwed up.

Here it is again:

SIG ----- 1 pf cap-----L C-----1 pf cap -----RF  
GEN L C Detector  
L C  
GND

And I found Harry's site:

<http://hem.passagen.se/sm0vpo/begin/gimmik-0.htm>

He tells how to make 12-15 and 5 pf gimmicks.

You can scale them down and/or use a couple in series>

Joe E.

-----  
This message was sent using Voicenet WebMail.  
<http://www.voicenet.com/webmail/>

-----  
Date: Tue, 19 Sep 2000 14:57:55 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: w5tnj@camalott.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79895] Re: Joy in Yankee country  
Message-ID: <39C7C543.A23D7A4A@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Doubt that I could stand the pace, Mac! <:}

72/73, George W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Robert McAtee wrote:

>  
> George you need some book learning. Haven't you ever used a sub-monic  
> crystal? Also the Cajun was probably using a nega-hertz antenna. Check into  
> the "yougottabekidding.com" net and get updated..... ==Mac== AG5F, Abilene,  
> TX.

-----  
Date: Tue, 19 Sep 2000 16:00:50 -0400  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: "Qrpl\_Submit (E-mail)" <qrp-l@Lehigh.EDU>, "Klqrp\_Submit (E-mail)"  
<klqrp@applegate.org>, "\_AAAA\_NOGA\_onlist (E-mail)" <nogaqrp@qth.net>  
Subject: [79896] Simple Six Meter Balanced Line Tuner from the Junk Box  
Message-ID: <058CBAE0931FD411B70E00805FCD5D423EC028@mailserver2.usan.com>  
MIME-Version: 1.0

Content-Type: text/plain

I was trying to put up a new antenna with low loss since I was only putting out about 500mW on my GA Sierra. I decided on a folded dipole so I could use 300 ohm TV twin lead to make the antenna element and also use it for feed line. So I needed a balanced to unbal conversion and thought about a balun but was concerned about losses so found a 6 meter (and another 2 mtr) balance tuner in a 1970's ARRL Handbook. Also have a 1975 Handbook and it's in there too. Didn't have the exact parts but from the junk box can up with the miniductor, both caps, some standoffs and connectors.

Initially I used a 330 ohm resistor as my dummy load for setting the taps and rough settings for caps. When I switched over to the real 300 ohm twin led-in I just had to tweak both caps. I have a 100 pF mica trimer on the rig winding and two of the smaller 30pf sections from a junk box radio part probably from a AM/FM RX. Used a piece of copper PCB for a ground plane and the rotor and case of big var. cap are directly grounded to the foil. The miniductor is about 1 inch in dia. and 7 turns tapped 1.5 from each end. The rig coil is 2 turns of insulated hookup wire with 100pF trimmer in series to ground.

Basically just go back and forth between the two caps tuning for best minimum each time. At some point you can get it down to 1:1. I used my MFJ SWR analyzer for the tuning tests.

Here's a Pix at: <http://ae4gx.home.mindspring.com/6mtrBLT.jpg>  
Sam Billingsley AE4GX Atlanta, GA

-----  
Date: Tue, 19 Sep 2000 16:15:07 EDT  
From: NOUR1@aol.com  
To: nn1g@earthlink.net  
Cc: QRP-L@lehigh.edu  
Subject: [79897] TTF Log, NOUR  
Message-ID: <be.9890c8a.26f9234b@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

2000 QRP ARCI CONTEST

Call used: NOUR

Location: MN

Category: PORTABLE

Mode: CW

Power: 5W

Callsign of Operator: NOUR

Exchanged Information: NOUR RST JIM MN

Hours of Operation: 07:47

band	QSOs	points	mults
160	0	0	0
80	1	35	1
40	49	1694	22
20	72	2520	26
15	16	560	7
10	1	35	1
-----			
TOTAL	139	0000	00

SCORE: 139

Comments: I was located at Crow Hassen Regional Park, 25 miles NW of MPLS, MN. Single op, camped overnight and operated as a /P station the next morning. Rig was a IC-735 @ 5 watts to a G5RV, complete station was battery powered. The weather was perfect!! Fun contest, it was good to pull out the tent one last time.

-----  
Date: Tue, 19 Sep 2000 16:30:32 EDT  
From: AC5JH@aol.com  
To: qrp-1@lehigh.edu  
Subject: [79898] FS OMNI VI+  
Message-ID: <84.af33625.26f926e8@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

HI All,

I have decided to sell my OMNI VI+, it is a great rig and truly lives up to its reputation. The + was installed as a retro and all works great. Also included is the matching power supply. \$2250, shipped anywhere in the lower 48.

Thanks,  
Tom Waits  
AC5JH

-----  
Date: Tue, 19 Sep 2000 15:07:34 -0500  
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
To: "'w5tnj@camalott.com'" <w5tnj@camalott.com>, Low Power Amateur Radio  
Discussion <qrp-l@lehigh.edu>  
Subject: [79899] RE: Joy in Yankee country  
Message-ID: <E78D8A9D6762D411B5440008C791D4AA199B0C@dfwex03.allegiancetelecom.com>  
MIME-Version: 1.0  
Content-Type: text/plain

George,  
I've listened to bits and pieces of the "3905 Century Club Net on 40 meters  
almost every night  
for the last month or so and wondered the same thing! However, the Net  
Control has that in  
his daily (evening) preamble each and every time! Try listening around  
7333.50 kHz at about  
5 or 6 p.m. Texas time. Kinda' weird....

Karl K - W8TIF  
McKinney, Texas

> -----Original Message-----  
> From: Robert McAtee [SMTP:w5tnj@camalott.com]  
> Sent: Monday, September 18, 2000 8:06 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Joy in Yankee country  
>  
> George you need some book learning. Haven't you ever used a sub-monic  
> crystal? Also the Cajun was probably using a nega-hertz antenna. Check into  
> the "yougottabekidding.com" net and get updated..... ==Mac== AG5F,  
> Abilene,  
> TX.  
>  
> George w5yr wrote:  
> I have long admired your skills, especially with antennas, Joel, but how  
> in the #\$%^& did you check into the 3905 century club net on 40 meters??

\*\*\*\*\*  
This email and any files transmitted with it are confidential and  
intended solely for the use of the individual or entity to whom they  
are addressed. If you have received this email in error please notify  
the system manager.

This footnote also confirms that this email message has been swept by  
MIMEsweeper for the presence of computer viruses.

www.mimesweeper.com

\*\*\*\*\*

-----

Date: Tue, 19 Sep 2000 15:58:58 -0500  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <Karl.Kanalz@allegiancetelecom.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [79900] Re: Joy in Yankee country  
Message-ID: <012601c0227c\$70478bc0\$0100a8c0@dandooley>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Or like when many, many years ago I traveled coast to coast on business, often within the same week. I carried a 2 m FM rig with me (an Icom 22S) and after traveling from somewhere out east and landing in California, hook the thing up in the rental car and sign on a local repeater "WB9TKA mobile One".

That got some attention.....

Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
e-mail to: dandooley@pipeline.com  
SOC #198, FPQRP # -104  
May Goddes love blest ye alle  
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Tuesday, September 19, 2000 3:07 PM  
Subject: RE: Joy in Yankee country

> George,  
> I've listened to bits and pieces of the "3905 Century Club Net on 40 meters  
> almost every night  
> for the last month or so and wondered the same thing! However, the Net  
> Control has that in  
> his daily (evening) preamble each and every time! Try listening around

> 7333.50 kHz at about  
> 5 or 6 p.m. Texas time. Kinda' weird....  
>  
> Karl K - W8TIF  
> McKinney, Texas

-----  
Date: Tue, 19 Sep 2000 21:05:59 +0100  
From: tf3vst@vortex.is (Villi Idunni)  
To: <k9iua@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [79901] Re: Paul Washa Books -- e-mail address?  
Message-ID: <011201c02275\$38352960\$466afea9@digranes>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Try w0tok@email.msn.com  
I ordered a lot of books from him for the local club  
he gives excellent service and FB prices  
Highly reccomended (usual disclaimers hihi)

de Villi TF3VS

> I am looking for an e-mail address for  
> W0TOK, Paul Washa, who is a amateur  
> radio bookseller. I remember ording the

-----  
Date: Tue, 19 Sep 2000 17:25:23 -0400  
From: John AE5X <ae5x@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [79902] Thanks for the ladder line info!  
Message-ID: <20000919.172523.11718.0.ae5x@juno.com>

Man, did I ever get a lot of reponses to my Q on ladder vs twin lead!  
Thanks to all of you who replied - far too many for me to answer  
individually. I can confirm what some of you told me about rain de-tuning  
twin lead. We are getting heavy rains here in NJ from the hurricane that  
hit FL a few days ago and all the "standard" tuner settings for my



temporary Inv V are far from where they normally are. So I'll order from the Wireman and wait for the quality stuff to get here instead of a quick fix solution from Rad Shack's TV line.

Thanks again for the help.

John Harper, AE5X  
HW-9, OHR-100A/20, NC40A, SST/30, SST/40, DSW/20  
Outdoor QRP <http://www.qsl.net/ae5x>

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 19 Sep 2000 18:10:53 -0400  
From: "Bill Wetherill" <n2wg@wilmington.net>  
To: "QRP-L" <QRP-L@lehigh.edu>  
Subject: [79903] Reel-To-Reel wire antenna  
Message-ID: <002701c02286\$7addeb60\$726148c7@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

A while back someone offered a Reel-To-Reel portable wire antenna for sale. They were located at <http://www.teleport.com/~cqdx/dipole.htm> . This is no longer a viable address.

Does anyone know how to contact them. A friend wishes to purchase one.

72, Bill - N2WG

Purity of Essence - QRP

-----  
Date: Tue, 19 Sep 2000 17:46:15 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [79904] Re: Resonance (?)  
Message-ID: <200009192222.SAA19286@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

>

> How in the heck can we be sure that a resonant circuit is resonant,  
> and at what frequency?

>

If it's a toriod coil, I put a turn or two link on it and couple to the signal generator. Put the scope (X10 probe) across the tuned circuit and see where it peaks. The probe will of course affect where it peaks, so this is only to see if I'm in the right ball park. If I need to be more accurate, I'll add another link and put the scope on that. (and read the sig gen with a counter) Coupling with the 1 pfd caps or gimmicks would do the trick too.

Myabe if I converted my old Eico 710 GDO to solid state and wound new coils for it, it would work better and I'd use it more..

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----

Date: Tue, 19 Sep 2000 18:26:24 -0400

From: David Beach <dbeach@blvl.igs.net>

To: <qrp-l@lehigh.edu>

Subject: [79905] Re: Reading QPR-L without the email.

Message-ID: <B5ED6050.4A1%dbeach@blvl.igs.net>

Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

You can do the reading of the list through the QRP ARCI site as mentioned but I 'go direct' to viewing the archives by thread at:

<http://listserv.lehigh.edu/lists/Archives/qrp-l/index.html>

I am on the 'Information Back Road' rather than the 'Information Highway' and waiting for all those messages to download would drive me nuts, in addition to clogging up my mailbox. This 'Bulletin Board' style of reading the archives has been the answer for me.

If you are thinking of signing off the list because of the volume of mail, try this!

David Beach  
VE3STI

-----  
Date: Tue, 19 Sep 2000 18:27:09 -0400  
From: n4qa@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [79906] N2CQ / AT / QRP de N4QA / M / QRP... RR...  
Message-ID: <20000919.182711.-91245.1.n4qa@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Cool !  
Worked Ken on 40 CW during my daily commute home using the DSW with ONE  
WATT to the Hustler on the rear bumper of the P/U. RST 569 both ways.  
Ken was running 5 watts.  
Sure is good to hear Fall condx kicking in, at last.  
Also, thanks for all the suggestions about the motor-starting  
capacitor... got one for EIGHT BUCKS at an electric motor repair shop  
which I found near work (GE) on my way home.  
The Wife is amazed that the GDO is working again... me, too!  
73,  
Bill, N4QA

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 19 Sep 2000 17:35:22 -0500  
From: "Mike Branca" <w3irz@att.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [79907] Re: Resonance (?)  
Message-ID: <000701c02289\$e6d11560\$b7084d0c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Good question Bob and a lot of good answers from the gang. But to me that  
is the magic of radio in that you are never quite sure what will happen till  
you power it up. Why even crystals are seldom resonant at their marked  
frequency unless the exact circuit is copied - and even then the  
manufacturer suggests trimmers. I use a couple of pounds of solder every  
year mostly on RF circuits and still do a lot of guessing.

As for antennas and traps I gave up fooling with them 20 some years ago for the same reasons that you are giving and now just use open wire line and tuners. Its a lot easier turning a knob in the shack than cutting wire in an awkward location (a hot attic comes to mind).

Good luck Bob.

Mike Branca W3IRZ in Conyers Georgia

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End of QRP-L Digest 1949

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